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OM nucleic - nucleic search, using sw model

Run on: May 10, 2005, 16:53:38 ; Search time 340 Seconds
(without alignments)
9543.343 Million cell updates/sec

Title: US-10-001-227-1
Perfect score: 1883
Sequence: 1 cctttagcaattcgccga.....gtttaaaccctgaggactag 1983

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCUTS COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	427.2	21.5	1717	4	US-09-595-682B-20
2	424	21.4	1701	3	US-09-264-737-3
3	346.4	17.5	1453	4	US-09-799-451-562
4	319.2	16.1	2117	4	US-09-949-016-3799
5	319.2	16.1	2169	4	US-09-949-016-555
6	319.2	16.1	2191	4	US-09-595-682B-27
7	272.8	13.8	1746	4	US-10-023-515-3
8	272.8	13.8	2158	4	US-10-023-515-1
9	205	10.3	10827	4	US-09-949-016-12297
10	148.2	7.5	1725	4	US-09-810-861B-5
11	148.2	7.5	1845	5	US-07-732-962A-1
12	148.2	7.5	1845	5	PCT-US92-06106-1
13	148.2	7.5	2158	4	US-09-949-016-1192
14	148.2	7.5	2256	2	US-08-370-156-1
15	148.2	7.5	2256	2	US-08-318-826A-5
16	148.2	7.5	2256	3	US-08-814-095-1
17	148.2	7.5	2256	3	US-08-814-095-1
18	148.2	7.5	3016	2	US-08-318-826A-7
19	148.2	7.5	3016	2	US-08-370-156-5
20	148.2	7.5	3016	3	US-08-814-095-5
21	148.2	7.5	3096	2	US-08-318-826A-6
22	148.2	7.5	3096	2	US-08-370-156-3
23	148.2	7.5	3096	3	US-08-814-095-3
24	148.2	7.5	5767	4	US-09-810-861B-3
25	148.2	7.5	14446	4	US-09-810-861B-4
26	137.2	6.9	9885	4	US-09-949-016-12934
27	137.2	6.9	9885	4	US-09-949-016-12935

28	137.2	6.9	35060	3	US-08-814-095-7	Sequence 7, Appli
29	124.4	6.3	2184	1	US-08-445-050-8	Sequence 8, Appli
30	124.4	6.3	2184	1	US-08-204-691-8	Sequence 8, Appli
31	124.4	6.3	2375	4	US-09-949-016-3976	Sequence 3976, Ap
32	124.4	6.3	2428	1	US-08-445-050-1	Sequence 1, Appli
33	124.4	6.3	2428	1	US-08-204-691-1	Sequence 1, Appli
34	124.4	6.3	2428	4	US-09-355-295B-2	Sequence 2, Appli
35	124.4	6.3	2487	3	US-08-370-223-12	Sequence 12, Appli
36	124.4	6.3	2734	4	US-09-569-611C-5	Sequence 5, Appli
37	124.4	6.3	2781	4	US-09-569-611C-6	Sequence 6, Appli
38	124.4	6.3	3018	1	US-08-347-718B-3	Sequence 3, Appli
39	124.4	6.3	3018	1	US-08-482-262-3	Sequence 3, Appli
40	124.4	6.3	3018	6	5200183-1	Patent No. 5200183
41	124.4	6.3	3018	6	5200183-1	Patent No. 5200183
42	122.8	6.2	2344	3	US-09-347-878-31	Sequence 31, Appli
43	117	5.9	965	4	US-09-799-451-155	Sequence 155, App
44	117	5.9	1905	3	US-09-347-878-33	Sequence 33, Appli
45	117	5.9	1907	1	US-08-462-884A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-595-682B-20
; Sequence 20, Application US/09595682B
; Patent No. 6800483
; GENERAL INFORMATION:
; APPLICANT: Danks, Mary K.
; APPLICANT: Potter, Philip M.
; APPLICANT: Houghton, Peter J.
; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth o
; TITLE OF INVENTION: Tumor Cells
; FILE REFERENCE: SJ-0005
; CURRENT APPLICATION NUMBER: US/09/595,682B
; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/075,258
; PRIOR FILING DATE: 1998-02-19
; PRIOR APPLICATION NUMBER: PCT/US99/03171
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 1717
; TYPE: DNA
; ORGANISM: Oryctolagus cuniculus
US-09-595-682B-20

Query Match	21.5%	Score 427.2;	DB 4;	Length 1717;
Best Local Similarity	57.1%	Pred. No. 2e-107;		
Matches	862;	Conservative	0;	Mismatches 633;
				Indels 15;
				Gaps 4;
QY	305	CCCATCCAAGTCTTTT	TAGGAGTCCCTTCT	CCAGACCTCCTCTAGGTATCCTCAGGTTT 364
Db	146	CCGTGGCGTCTTCT	TGGAGTCCCTTCC	AGCCCTCTTGGATCCCTGAGTTT 205
QY	365	GCACCTCCAGAACCC	CGGCGCCTGGAAAGGAAT	CAGAGATGCTACCACTACCCGCT 424
Db	206	GCACCAACCAAGCT	CTCAGATCATTTAGCCAGT	GAAGAACACCACTCTTACCTCC 265
QY	425	GGGTGCTGAGAGTCT	CTGGGCGAGCTGGCTCGAT	GTACGTACGACGCGGAA 481
Db	266	ATGTGCTCCAGGAC	GCAGTATCAGGGCATAT	CTCTCGGAGTCTTTCACCAAGAAA 325
QY	482	CGGTACAGTGGCTG	CGCTTACGAGGAGTCTGT	ACCTGACGCGCGCG 541
Db	326	GAGAACATCCCTT	TAACTTCTGAGACTGCT	TTCCTGATATTTACACCCCTGCT 385
QY	542	CGCGCGCCCGGGGAT	CCCGAGTCCAGTGTCT	TGGTTCCCGGAGCGGCTTCATC 601
Db	386	GACTGACAAAGAG	AGGCGAGCTGCCGGTAT	GTGTGATCCATGGAGTGTCTGATG 445
QY	602	GTGGCGCTGCTTCT	TTCGTACGAGGGCTCT	GACTTGGCGCGCCCGCGAGAAAGTGGTCTG 661


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QY 842 AGCATCTCAGGACTGATGATGTCACCCCTAGCTCGGGTCTCTTCCATCGGGCCATTTC 901
Db 679 AGTGTCTTATCTTCTTATATCTCCCTGACCAAGATCTCTTCCATCGAGCAATTTTC 738
QY 902 CAGAGTGGCACCAGCGTTATTTCAGACTTTTTCATCACTAGTAACCCACTGAAAGTGGCCAAG 961
Db 739 GAGAGTGGGTGGCCCTCTCTTCCAGTCTCTTCAGGAAGAACCAAGTCCCTTGGCTGAG 798
QY 962 AAGTTTGGCCACTCGCTGGATGCAACCAACAGACACACAGATCTCTGGTAAACTGCCTG 1021
Db 799 AAAATTGGCCATCGAAGCTGGGTGTAATAACCAACCACTCGCTGCTCATGGTTCACTGCCTG 858
QY 1022 AGGCACTATCAGGACCAAGGTGATCGGTGTGTCCAAAGATGAGATCTCTCCAACTG 1081
Db 859 CCGCAGAAGACAGAGGAAGAACTCATGGAGGTGACATTTGAAAATGAAATTTATGGCTCTA 918
QY 1082 AACTTCCAGAGACCGGAGAGATATCTGTCTCATGAGCCCTCTGTGGTGGATGTGTG 1141
Db 919 GATCTAGTTGGGACCCCAAGAGAACACCGCCTTCTGACCACTGTGATGATGGGGTG 978
QY 1142 GTGATCCAGATGACCTTTTGGTCTCTGACCCAGGGAAGGTTTTCATCTGTGCCCTTAC 1201
Db 979 CTGTGCCAAAGACCTTCAGAGATTTCTGGCAGAGAAATACCAATGCTGCCCTTAC 1038
QY 1202 CTTCTAGGTGTCAACACCTGGAAATTCATTTGGTCTTGTGCTTATATCATGAAAGTTCCCG 1261
Db 1039 ATGGTGGGAATCAACAGCAAGAGTTTGGCTGATTTATCCCAATGCAAAATGCTGGGCTAT 1098
QY 1262 CTAACCCGCGAGCGCA---TGAGAAAGGAACCATCACTAAGATGCTCTGGAGTACCCGC 1318
Db 1099 CCACTCTCTGAAGGCAAACTGGACCAAGAGACAGCTACAGAACTCTTGTGGAGTCTTAC 1158
QY 1319 ACCCTGTTGAATATACCAAGAGCAGAGTACCACTTTGTGTGGTGGAGGATACCTTGGACAAT 1378
Db 1159 CCAATGTCATGCTCTTAAGAGCTGACTCCAGTGGCCACTGAGAAGTATTAGAGGG 1218
QY 1379 GTCATGAGCATGATGGAAGATGTCAGAAACCGTATGATGAGCATATGTCAGATGCC 1438
Db 1219 ACAGATGACCTGTCAAAAAGA-----AAGACTTGTCTTGGACATGCTTGCAGATTG 1272
QY 1439 ACTTTGTGTATGCCACTGAGACTGCTCACTACCGAGATGCGCGCTCCCTGTC 1498
Db 1273 TTATTTGGTGTCCATCTGTGAATGGCTCGTCAACAGAGATGCTGGAGCCCCACC 1332
QY 1499 TACCTGTATGAATTTGAGCACCACGCTCG---TGGAATATGCTCAAAACCCGCACTGAT 1555
Db 1333 TATATGATGATATCGGTATCGCCCAAGCTTCTCATCAGACATGAGACCCAGACAGT 1392
QY 1556 GGGCGAGACATGGGATGAGATGTAATCTTCTTTTGGGGGCCCTTTCGCCACAGGCTT 1615
Db 1393 ATAGGGGACCATGGAGATGAGATCTTCTGTCTTAGGAGCCCGTTTTTAAAGAGGGT 1452
QY 1616 TCCATGGGTAAAGGAGNAGCACTTAGCTCCAGATGATGAATATCTGGCCAACTTTGCC 1675
Db 1453 GCCACAGAGAGGAGATCAAACTGAGCAAGATGGTATGAAATATCTGGGCCAACTTTGCT 1512
QY 1676 CGCAGAGGAAACCCCAATGATGGGAATCTGCCCTGCTGCGCCAGCTTACCAAGAGATGAA 1735
Db 1513 AGGAATGGAAATCCCAATGGAGNAGGGCTTCTCAATGGCCAGCATATGACTACAGGAA 1572
QY 1736 AAGTACCTCAGCTGAATTTTACCAAGAGTGGGATGAAGCTCAAGGAGAAAGATG 1795
Db 1573 GGTACCTCAGATTGGAGCCACCAAGAGGAGCCAGAACTGAAAGACAAAGGAAGTG 1632
QY 1796 GCTTTTGGGA 1805
Db 1633 GCTTTCTGGA 1642
```

RESULT 3
US-09-799-451-562
; Sequence 562, Application US/09799451
; Patent No. 6783969

```
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Zhou, Ping  
; APPLICANT: Goodrich, Ryle  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Zhang, Jie  
; APPLICANT: Xue, Aidong J.  
; APPLICANT: Zhao, Qing A.  
; APPLICANT: Wang, Jian-Rui  
; APPLICANT: Ma, Yunging  
; APPLICANT: Yamazaki, Victoria  
; APPLICANT: Chen, Rui-hong  
; APPLICANT: Wang, Zhiwei  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Yang, Yonghong  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Ghosh, Reena  
; APPLICANT: Drmanac, Radoje T.  
; TITLE OF INVENTION: No. 6783969el Nucleic Acids and  
; FILE REFERENCE: Polypeptides  
; CURRENT APPLICATION NUMBER: US/09/799,451  
; CURRENT FILING DATE: 2001-03-05  
; NUMBER OF SEQ ID NOS: 948  
; SOFTWARE: pt FL_genes Version 2.0  
; SEQ ID NO 562  
; LENGTH: 1453  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (840)..(1070)  
US-09-799-451-562  
  
Query Match 17.5%; Score 346.4; DB 4; Length 1453;  
Best Local Similarity 99.7%; Pred. No. 3.6e-85;  
Matches 347; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 1605 CCACAGGCTTTTCCATGGTAAAGGAGAGGAGCACTTAGCTCCAGATGATGAATACTGGG 1664  
Db 826 CCCCAGGCTTTTCCATGGTAAAGGAGAGGAGCACTTAGCTCCAGATGATGAATACTGGG 885  
QY 1665 CCAACTTTGCCGCGACAGGAAACCCCAATGATGGGAATCTGCCCTGCTGCCACGCTACA 1724  
Db 886 CCAACTTTGCCGCGACAGGAAACCCCAATGATGGGAATCTGCCCTGCTGCCACGCTACA 945  
QY 1725 ACAAGATGAAAAGTACCTGACAGCTGGATTTTACCAAGAGTGGGCATGAAGCTCAAG 1784  
Db 946 ACAAGATGAAAAGTACCTGACAGCTGGATTTTACCAAGAGTGGGCATGAAGCTCAAG 1005  
QY 1785 AGAAGAAGATGGCTTTTGGATGAGTCTGTACCAAGTCTCAAGACCTGAGAGCAGAGGC 1844  
Db 1006 AGAAGAAGATGGCTTTTGGATGAGTCTGTACCAAGTCTCAAGACCTGAGAGCAGAGGC 1065  
QY 1845 AATTCTAAGGGTGGCTATGACAGAGGAGCCAAAGAGGGGTTTGGCCCCCACTCCAGGC 1904  
Db 1066 AATTCTAAGGGTGGCTATGACAGAGGAGCCAAAGAGGGGTTTGGCCCCCACTCCAGGC 1125  
QY 1905 CTTGGGAGACTAGCCATGGACATACCTTGGGGACAAAGAGTTCTTACCCTA 1952  
Db 1126 CTTGGGAGACTAGCCATGGACATACCTTGGGGACAAAGAGTTCTTACCCTA 1173
```

RESULT 4
US-09-949-016-3799
; Sequence 3799, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307

Query Match	16.1%;	Score 319.2;	DB 4;	Length 2117;
Best Local Similarity	54.0%;	Pred. No. 1.4e-77;	Indels 63;	Gaps 6;
Matches	828;	Conservative		
QY	284	CAGATGCATGTGGGGAAGACACCCATCCAAAGTCTTTTTAGGAGTCCCTTCTCCAGACCT	343	
Db	195	CATGTGAAGGGCCCAATGCCGGGTCCAAACCTTCCTGGGAATTCATTTCGCAAGCCA	254	
QY	344	CCTCTAGGTATCCTCAGGTTTGCACTTCAGAACCCCCGGAGCCCTGAAAGGATCAGA	403	
Db	255	CCTCTAGGTCCGCTGCGATTTGCACCCCTGAGCCCCCTGAATCTTGAGTGGTGTGAGG	314	
QY	404	GATGCTACCACTACCCGCTGGGTGCTGCAGGAGTCTCTGGGGCCAGCTGCCTCCGATG	463	
Db	315	GATGGAACCAACCCATCCGGCCCATGTGTCTACAGGACCTCACCGCAGTGGAGTCAGAGTTT	374	
QY	464	TACGTCAGCACGCGGGAAACGGTACAAAGTGGCTGCGCTTACGCGAGGACTGTCTGTACCTG	523	
Db	375	CTTAGCCAGTTCAACATGACCTTCCCTCCGACTCCATGCTCTGAGGACTGCTCTGTACCTC	434	
QY	524	AACGTGTACGCGCGCGCGCGCGCGGATCCCGAGCTCCAGCTCCAGTGTATGTCTGTGTTTC	583	
Db	435	AGCATCTACACGCGCGCCCATAGCCATGAAGGCTCTAACCTGCCGTGATGTGTGTGATC	494	
QY	584	CCGGGAGGCGCTTCATCTGGGCGCTGCTTCTTCGTACAGGGGCTCTGACTTGGCGCGCC	643	
Db	495	CACGTGTGTGCGCTTGTCTTGTGGCATGCTTCTCTGTATGATGTTCATGCTGCGTCCG	554	
QY	644	CGCGAGAAAGTGTGTGTGTGTCTTGACGACAGGCTCGGCATCTTCGGCTTCCTGAGC	703	
Db	555	TTGGAGAACGT	614	
QY	704	ACGAGACAGCACGCGCGCGGAACTGGGGGCTGCTGGACACAGATGGCGGCTCTGCGC	763	
Db	615	ACTGGAGACAGCACGCGCGGAACTGGGGGCTGCTGGACACAGATGGCGGCTCTGCGC	674	
QY	764	TGGGTGCAGGAGAACATCGCAGCGCTTTCGGGGGAGACCCAGGAATGTGACCTTGTTCGCG	823	
Db	675	TGGGTGCAGGAGAACATCGCAGCGCTTTCGGGGGAGACCCAGGAATGTGACCTTGTTCGCG	734	
QY	824	CAGTCCGGGGGCGCATGACATCTCAGGACTGATGATGTACCCCTAGCCTCGGCTCTC	883	
Db	735	GAGTCTCGGGTGGCAGAGTGTGTCTTCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	794	
QY	884	TTCCATCGGGGCAATTTCCAGAGTGGCACCGCGTATTCAGACTTTTTCATCATGTAGTAAC	943	
Db	795	TTCCACGGAGCCATCATGGAGTGGCGTGGCCCTCTGCGCGGCTCATTTGCGAGCTCA	854	
QY	944	CCACTGAAAGTGGCGAAGAGTTGCCCACTGGCTGGATGCAACCAACAGCACACAG	1003	
Db	855	GCTGATGTCTCATCCAGCGTGTGGCCCAACCTGTCTGCTGTGACCAAGTTGACTCTGAG	914	
QY	1004	ATCCTTGGTAAACTGCTCTGAGGGCACTATCAGGGACCAAGGTGATGCGTGTGTCCAAAG	1063	
Db	915	GCCCTGTGGGTGCTGCTGCGG-----GCAAGAGTAAAG	948	
QY	1064	ATGAGATTCCTCCAACTGAACTTCAGAGACCCGGAGAGATATATCTGTCTCATGAGC	1123	

TYPE: DNA
ORGANISM: Human
US-09-949-016-555

Query Match 16.1%; Score 319.2; DB 4; Length 2169;
Best Local Similarity 54.0%; Pred. No. 1.4e-77;
Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;

284 CAGATGATGTTGGGAGACACCCATCCAAAGTCTTTTATAGAGTCCCTTCTCCAGACCT 343
195 CATGTGAAGGGGCCAATGCGGGGTCCAAACCTTCTGGGAATTCATTTGCCAAGCCA 254
344 CCTCTAGGTATCTCAGTTTGCACCTCCAGAACCCCGAGCCCTGGGAAGGAATCAGA 403
255 CCTCTAGGTCCGTGGATTTGACCCCTTGAGCCCTGAACTTTGGAGTGTGTGAGG 314
404 GATGCTACCACTTACCGCTGGGTGCTTCGACGAGTCTCGGGCCAGCTGGGCTCGATG 463
315 GATGGAAACCAACCATCGGCCATGTGTCTACAGACCTCACCGAGTGGNGTCAGAGTTT 374
464 TACGTGACGACGCGGGAACGGTACAAGTGGCTCGCTTCAGCGAGGACTGTCTGTACCTG 523
375 CTTAGCCAGTTCAACATGACTTTCCTTCGACTCCATGTCTGAGGACTGCTGTACCTC 434
524 AACGTGTACGCGCGGGCGCGCGCGGGATGCCAGCTGCCAGTGTGTCTGGTTC 583
435 AGCATCTACACGCGCGGCCATAGCCATGAAGGCTCTAACCTGCGGTGATGTGTGTGATC 494
584 CCGGAGGGCCCTTACGTGGGCGGTCTTCTGTCAGCAGAGCTCGGCATCTTCGGCTTCTGAGC 703
495 CACGGTGGTGGCTTGTTTTGGCATGGCTTCTTGTATGATGGTTCATGCTGGGTGCC 554
644 CGCGAGAAATGTTGTGTGTGTCTTCGACACAGAGCTCGGCATCTTCGGCTTCTGAGC 703
555 TTGGAGAACGTGTGTGTGTGTCTTCATCCAGTACCGCTGGGTCTTCGGCTTCTTACG 614
704 ACGGACGACAGCACGCGCGCGGGAACGTGGGCGTGTGTGACAGATGGCGGTCTTGGCG 763
615 ACTGGAGACAAGCACGCAACCGGCAACTGGGGCTACTTGGACCAAGTGGGTGCACTACGC 674
764 TGGGTCCAGGAGAACATCGAGCCTTTCGGGGAGACCCAGGAATGTGACCTGTTCGCG 823
675 TGGGTCCAGAGAAATATCGCCCACTTTGGAGGCAACCCCTGACCGTGTCACTATTTTGGC 734
824 CAGTCCGCGGGGCCATGAGCATCTCAGGACTGATGTACCCCTAGCTCGGCTCTC 883
735 GAGTCTCGGGTGGCAGAGTGTCTTCGCTTGTGTGTCTCCCAATATCCCAAGACTC 794
884 TTCCATCGGGCCATTTCCAGAGTGGACCGGCTTATCAGACTTTTTCATCACTAGTAAC 943
795 TTCCAGGAGCCATCATGAGAGTGGCGTGGCCCTCTGCGCGGCTCATTTGCCAGCTCA 854
944 CCAGTAAAGTGGCAAGAGTTGGCCACTTGGCTGGATGCAACCAACAGCACACAG 1003
855 GCTGATGTATCTCCACGCGTGGGCAACCTGTCTGCTGTGACCAAGTGACTCTGAG 914
1004 ATCTCGTAAATGCTGAGGGCACTATCAGGAGCAAGTGTGCTGTGCTCAACAAG 1063
915 GCCTGGTGGCTGCTTGGG-----GCAAGAGTAAAG 948
1064 ATGAGATTCCTCAACTGAACTTCCAGAGAGACCCGGAAGAGATTAATCTGGTCCATGAGC 1123
949 AGGAGATTCCTGCAAT-----ACAAGCTTTTCAAGATGATCCCC 989
1124 CTTGTGGTGAATGGTGTGTGATCCAGATGACCTTTTGGTGTCTCTGACCCAGGGGAAG 1183
990 GGAAGTGGTGAATGGGTCTTCTGCGCCAGGACACCCAGAGAGTGTGGCTCTGCCGAC 1049
1184 GTTTCATCTGTGCCCTTACCTTCTAGGTGTCAACAACCTGGAATTCATTTGGCTCTTGCCT 1243
1050 TTTTACGCTGTCTCCCTAGCATTTGTGTGTCAACAACATGAATTCGGCTGGCTATCCCC 1109
1244 TATATCATGAAGTTCCCGCTTAACCGCGCGGCGATGAGAAAGGAACCATCATCAAGATG 1303

1110 AAGGTATGAGGATCTATGATATCCAGAGGAATGACAGAGGCTCTCCAGGGCTGCT 1169
1304 CTCTGAGTACCCGACACCTCTGTTGAATATCACCAGGAGCAGGTACACACTTGTGGTGGAG 1363
1170 CTGCAGAAATGTTAAGCTGTGATGTTGCCCTCTACATTTTGGTGTGCTGCTGAGGAG 1229
1364 GAGTACCTGGCAATGTCAATGAGCATGACTGGAAGATGTACGAACCTATGATGAGAC 1423
1230 GAGT-----ACATTTGGGACATGAGGATCCCGACACCTCCAAAGCGCATTTCCAGGAG 1283
1424 ATAGTTCAAGATGCCACTTTTCGTGTATGCCACATGCAGACTGCTCACTACCAACCCAGAT 1483
1284 ATGATGGCGACTCCCATGTTTGTGATCCCTGCACTCAAGTAGCAATTTTCAGTG---T 1340
1484 GCGGGCTCCCTGTCTACCTGTATGATTTTGAACACCAACGCTCGTG---AATAATCGTC 1540
1341 TCCTGGGCTCTGTGTACTTCTACAGTTCAGAGTTCAGCATCAGCCAGCTGGCTCAAGAACATC 1400
1541 AAACCCCGCACTGATGGGCGAGACCATGGGATGAGATGTACTTCTCTTTTGGGGGCCCC 1600
1401 AGCCACCGCACAATGAAGGAGCAGACCATGTGTGATGAGCTTCTTTTGTTCAGAAAGTTTC 1460
1601 TT-----CGCCACAGGCTTTCCATGGGTGAAGGAGAGCAGCTTACGCTCCAGATGATG 1654
1461 TTTGGGGCAACTACATTAATTTCACTGAGGAAGAGGAGCAGCTTAAGCAGGAAGATGATG 1520
1655 AAATACTGGGCAACTTTTCGCGCACAGGAACCCCAATGATGGGAATCTGCCCTGTCTGG 1714
1521 AGTACTGGGCCAACTTTTGGAGAAATGGGAACCCCAATGCGAGGCTTCCACACTGG 1580
1715 CCACGCTACAAAGAGTAAAGTACCTGCACTGGATTTTACCAAGAGTGGGCAATG 1774
1581 CCGCTGTTCGACCGAGGAGCAATACCTGCACTGAACCTACAGCTGCGGTGGGCGCG 1640
1775 AAGCTCAAGGAGAGAGATGGCTTTTGTGATGA 1808
1641 GCTCTGAAGGCCCAAGGCTCCAGTTCCTGGAAGA 1674

RESULT 6

US-09-595-682B-27
Sequence 27, Application US/09595682B
Patent No. 6800483
GENERAL INFORMATION:
APPLICANT: Danks, Mary K.
APPLICANT: Potter, Philip M.
APPLICANT: Houghton, Peter J.
TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of
FILE REFERENCE: Tumor Cells
FILE REFERENCE: SJ-0005
CURRENT APPLICATION NUMBER: US/09/595,682B
CURRENT FILING DATE: 2000-01-16
PRIOR APPLICATION NUMBER: 60/075,258
PRIOR FILING DATE: 1998-02-19
PRIOR APPLICATION NUMBER: PCT/US99/03171
PRIOR FILING DATE: 1999-02-12
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 27
LENGTH: 2191
TYPE: DNA
ORGANISM: Homo sapiens
US-09-595-682B-27

Query Match 16.1%; Score 319.2; DB 4; Length 2191;
Best Local Similarity 54.0%; Pred. No. 1.4e-77;
Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;
284 CAGATGATGTTGGGAGACACCCATCCAAAGTCTTTTATAGAGTCCCTTCTCCAGACCT 343
217 CATGTGAAGGGGCCAATGCGGGGTCCAAACCTTCTGGGAATTCATTTGCCAAGCCA 276

Db 412 GCGGATACAGGCTCCAGCTCCCGCTTGGTGTGTTCCAGAGGTGCTTCAAGACT 471
Qy 605 GCGGCTGCTTCTTGGTACAGGAGCTCTGACTTGGCCGCGCGAGAAAGTGGTCTGGTG 664
Db 472 GGTCTAGGCTCCATCTTGGTGGTCCGCTGGCTGCTATGAGGAGCTGCTGGTGTG 531
Qy 665 TTTCTGACAGCAGGCTCGGCACTTTCTGGCTTCTGAGCAAGGACGACGCGCGC 724
Db 532 GTCTGTCAGTACCGGCTAGGAATATTGGTTTCTTCCACCATGGGATCAGCATGCTCG 591
Qy 725 GGGAGTGGGGCTGCTGACACAGATGGGCTTGGCTGGTGGGAGGAGACATCGCA 784
Db 592 GGGAACTGGGCTTCAAGGACACAGGTGGTGTCTGTCTGGTCCAGAAAGAACATCGAG 651
Qy 785 GCTTTCGGGGAGACCCAGGAATGTGACCTGTTCCGGCAGTGGCGGGGGCCATGAGC 844
Db 652 TTTCTTGGTGGGAGCCCGAGCTCTGTGACCACTTTGGCGAGTCCGCGGAGCCATAAGT 711
Qy 845 ATCTCAGGACTGATGATGACCCCTAGCTGGCTGGTCTTTCATCGGGCCATTTCCCGAG 904
Db 712 GTTCTAGTCTTATACCTGCTCCATGGCCAAAGGCTTATCCAAAGCCATCATGGAG 771
Qy 905 AGTGGCACCGCTTATTCAGACTTTTTCATCACTAGTAAACCCACTG- - - - -AGTGGCC 958
Db 772 AGTGGGTGGCCATCATCCCTTACCTGGAGGCCATGATATGAGAAGAGTGAAGGACTG 831
Qy 959 AAGAAGTTGGCCACCTGCTGTGATGCAACACACAGCACACAGATCTCTGTTAACTGC 1018
Db 832 CAGGTGTTGCACTTTCTGTGTATCATGCTGAGCTCTGAGGCCCTGCTGAGGTGC 891
Qy 1019 CTGAGGCACTATCAGGACCAAGGTGATGCGGTGCTCAACAGATGAGATCTCTCAA 1078
Db 892 CTGAGGACAAACCTTCAAGGAGTGTGACCTCAGCCAGCAAGAAACAA- - - - - 940
Qy 1079 CTGAATCTCAGAGACCCGGAAGAGATATCTGTCATGAGCCCTGCTGGTGTGATGT 1138
Db 941 - - - - -AGTCTTCTCACTCGAGTGTGATGT 966
Qy 1139 GTGGTGATCCAGATGACCTTTGGTGTCTGACCCAGGGAAGTTCATCTGTGCC 1198
Db 967 GCTTCTTCTTATGAGGCTCTAGATCTATGTCTCAGAAAGCATTTAAAGCAATCTCT 1026
Qy 1199 TACCTTTAGGTGTCAACACCTGGAATCAATGCTCTTGTCTTATATCATGAAGTTC 1258
Db 1027 TCCATCATCGAGTCAATAACACAGTGTGGCTCTCTGCTGCTATGAAGGAGTCTCT 1086
Qy 1259 CCGCTAACCGGAGCGGATGAGAAAGGAAACATCATCACTAAGATGCTCTGAGTACCCGC 1318
Db 1087 GAGATCCTCAGTGGCTTCCAAAGTCCCTTGGCCCTCCATCTGAT- - - - -ACAA 1134
Qy 1319 ACCCTGTTGAATATCACAGGAGCAGGTACCACTTGTGTGGGAGGTACCTGGACAAT 1378
Db 1135 AACATCTGCACATCCGCTCAGTATTTGACCTTGTGGCTATGATTAATCTTCCA- - - - 1190
Qy 1379 GTCAATGAGCATGACTGGAAGATGTACGAACCGTATGATGACATAGTTCAGATGCC 1438
Db 1191 - - -TGACAAGCACTCCCTGACTGAATCCGAGACAGTCTTCTGACTTGTGGAGATGT 1248
Qy 1439 ACTTTGCTGATGCACTGCTGAGTGTCTACTACCGAGATGCGGCTCCCTGTC 1498
Db 1249 TTTCTTGTGGTCTCCTGACTGATCAGAGCTCGATATCAGAGATGCTGGTGCACCTGTC 1308
Qy 1499 TACCTGTATGAATTTGAGCACCAAGCTCGTGGAAATATCGTCAAAACCCGCACTGATG- - 1556
Db 1309 TACTTCTATGAGTTTCGGCACCGGCTCAGTGTCTTTGAAGACACGAAGCGGCTTTTGTG 1368
Qy 1557 -GGGAGACCATGGGATGAGATGTACTTCTCTTTGGGGGCCCTTCGCGCACAGGCTTT 1615
Db 1369 AAGCCGACCAAGCTGATGAGTCCGCTTTGTGTTGCTGGTGTGCTTCTTGAAGGGGAC 1428
Qy 1616 T- - - - -CCATGGGTAAAGGAAGGCACTTAGCTTCCAGATGATGA 1657

Db 1429 ATTGTTATGTTTCAAGGAGCCAGGAGGAGGAAGTTACTGAGCCGGAAGATGATGA 1488
Qy 1658 TACTGGGCAACTTTTCCCGCACAGAAACCCCAATGATGGGAATCTGCCCTGCTGGCCA 1717
Db 1489 TACTGGCTACCTTTGCTCGAACCGGAATCTTAATGGGAACGACCTGCTCTGTGGCCA 1548
Qy 1718 CCTTACACAGGATGAAGTACCTGAGCTGGATTTTACCACAAGATGGGCATGAAG 1777
Db 1549 GCTTATAATCTGACTGAGCAGTACCTCCAGCTGGACTTGAACATGAGCCCTCGACAGAGA 1608
Qy 1778 CTCAAGGAGAAAGATGCTTTTGGATGAG 1809
Db 1609 CTCAAAGAACCCGGGTGATTTTGGACCAG 1640

RESULT 8
US-10-023-515-1
; Sequence 1, Application US/10023515
; Patent No. 664091
; GENERAL INFORMATION:
; APPLICANT: Curtis, Rory A. J.
; APPLICANT: Silos-Santiago, Inmaculada
; TITLE OF INVENTION: 53010, A NOVEL HUMAN CARBOXYLESTERASE
; TITLE OF INVENTION: FAMILY MEMBER AND USES THEREOF
; FILE REFERENCE: 10448-122001
; CURRENT APPLICATION NUMBER: US/10/023,515
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 60/256,369
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: 60/279,508
; PRIOR FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2158
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (96)....(1838)
US-10-023-515-1

Query Match 13.8%; Score 272.8; DB 4; Length 2158;
Best Local Similarity 53.0%; Pred. No. 8.8e-65;
Matches 812; Conservative 0; Mismatches 627; Indels 93; Gaps 7;

Qy 305 CCCATCCCAAGTCTTTTAGGAGTCCCTTCTCCAGACCTCTCTAGGTATCTCTCAGGTTT 364
Db 270 CCTGTGAAGTGTCTCTCGAGTCCCTTTGCTGTCTCCCGCTGGGATCCCTTGCATTTT 329
Qy 365 GCACCTCCAGAACCCCGGAGCCCTGGAAAGGAATCAGAGATGCTACCACTACCCGCCT 424
Db 330 ACGAACCCGACGCTGCATCGCCCTGGGATAAATTGCGAGAAGCCACCTCTACCTAAT 389
Qy 425 GGGTGTCTCAGAGTCTTGGGGCCAGCTGGGCTCGATGATGATGATGATGATGATGATGAT 484
Db 390 TTTGTGCTCCAGAACTCAGAGTG- - -GCTGCTCTTAGATCAACACATGCTCAAGGTGCAT 446
Qy 485 TACAAGTGTGCTGGCTTACGCGAGGACTGTGTACTGAAAGTGTACGCGCGCGCGC 544
Db 447 TACCGAAATTCGAGTGTGAGAACTGCTTACCTGAAACATCTATGGCGCTGCCAC 506
Qy 545 GCGCCCGGGGATCCCGAGCTGCGAGTGTGTTGTTCCCGGAGGCGCTTTCATCGTG 604
Db 507 GCGGATACAGGCTCCAAAGCTCCCGTCTTGGTGTGTTCCAGGAGTGCCTTCAAGACT 566
Qy 605 GCGGTGTCTTCTGTGATCAGGGCTCTGACTTGGCGCGCGCGGAGAAAGTGTGTGTG 664
Db 567 GGTCTCAGCTCCATCTTTGATGGTCCGCTGGCTGCTATGAGGACGCTGTGTGTGTG 626
Qy 665 TTTCTCAGCAGAGCTCGGCTCTCGGCTTCTGAGCAGGACGAGACGACGCGCGC 724
Db 627 GTCGTCAGTACCGGCTAGGAATATTTGTTTCTTCCACCATGGATCAGCATGCTCG 686

QY 725 GGAACTGGGGCTGCTGGACAGATGGCGGCTCTGCGTGGTGGAGGAGAACATCGCA 784
DB 687 GGGAACTGGGGCTTCAAGACAGAGTGGGCTGCTGCTGCTGGTCCAGAGAACATCGAG 746
QY 785 GCCTTCGGGGAGACCCAGAGAAATGTACCTGTTCCGCCAGTCGGCGGGGCCATGAGC 844
DB 747 TTCTTCGGTGGGACCCAGCTCTGTGACCATCTTTGGGAGTCCGGGAGCCATAAGT 806
QY 845 ATCTCAGGACTGATGATGATCACCCTAGCTCGGCTCTTTCATCGGGCCATTTCCAG 904
DB 807 GTTCTAGTCTTATGCTGCTCCATGGCCAAAGGCTTATTCACAAAGCCATCATGGAG 866
QY 905 AGTGGCACCGCGTATTTCAGACTTTTCATCACTAGTAACCCACTGA-----AAGTGGCC 958
DB 867 AGTGGGTGGCCATCATCCCTTACCTGGAGGCCATGATTATGAGAGAGTAGGAGCCTG 926
QY 959 AAGAAGTTTCCACCTCGCTGGATGCAACCAACAGACAGACAGATCTCTGTGTAACCTGC 1018
DB 927 CAGGTGGTGCACATTTCTGTGTAAATGCTGCTGAGCTCTGAGCCCTGCTGAGGTGC 986
QY 1019 CTGAGGCACTATCAGGACCAAGTGTGCTGTCACCAAGATGAGATCTCTCCAA 1078
DB 987 CTGAGGACAAACCTTCAAGAGCTGCTGACCTCAGCCAGAAACAA-----1035
QY 1079 CTGAATCTCAGAGAGACCGGAAGAGATTATCTGCTCATGAGCCCTGTGTGGATGTT 1138
DB 1036 -----AGTCTTCACTGAGTGGTGTGATGT 1061
QY 1139 GTGGTATCCAGATGACCTTTGGTCTCTGACCCAGGGGAAAGTTTCATCTGTCGCC 1198
DB 1062 GCTTTCTTCTTAATGAGCTCTAGATCTATTGCTCAGAAAGCATTTAAAGCAATCTCT 1121
QY 1199 TACCTTCTAGTGTCAACACCTGGAATTCATTTGGCTCTTGCCTTATATCATGAAGTTC 1258
DB 1122 TCCATCATCGAGTCAATAACCAAGAGTGGCTTCTGCTGCTATGAAGAGGCTCTT 1181
QY 1259 CCCTTAAACCGGAGCGGATGAGAAAGAAACCATCACTAAGATGCTCTGGAGTACCCCG 1318
DB 1182 GAGATCTCAGTGGTCCAAACAGTCCCTTGCCCTCCATCTGAT-----ACAA 1229
QY 1319 ACCCTGTGAATATCAACAGAGAGAGGTACCACTTGTGGTGGAGAGTACCTGGACAAT 1378
DB 1230 AACATCTGCATCCGCTCAGTATTTGCACTTTGTGCTTAATGAATACTTCCA-----1285
QY 1379 GTCAATGAGCATGACTGGAGATGCTACGAAACCGTATGATGACATAGTTCAAGATGCC 1438
DB 1286 --TGACAAGCATCTCCCTGACTGAATCCGAGACAGTCTTCTGACTTGTCTGGAGATGTG 1343
QY 1439 ACTTTCGTGTATGCCACACTGCAGACTGCTCACTACACCGAGATCGCGGCTCCCTGTC 1498
DB 1344 TTCTTTGTGTCCTGCACTGATCAGCTCGATATCACAGAGATGCTGTGCACCTGTC 1403
QY 1499 TACCTGTATGAATTTAGACACACCGCTCGTGGAAATATCGTCAACCCCGCACTGATG-- 1556
DB 1404 TACTTCTATGATTTTCGGCACCGGCTCAGTGTCTTGAAGACACGAAGCGGCTTTTGTGTC 1463
QY 1557 -GGGCAGACCATGGGATGAGATGATCTTCTTCTTGGGGGCCCTTCGCCACAGSCCTT 1615
DB 1464 AAGCCGACACACCTGATGAAGTCCGCTTTGTTTGGTGGTCCCTTCTCTGAAGGGGAC 1523
QY 1616 T-----CCATGGGTAAAGGAGGACCTTAGCCTCCAGATGATGAATA 1657
DB 1524 ATTTGTTATGTTCAAGAGGACCGAGGAGGAGAAAGTACTGAGCCGGAAGATGATGAAA 1583
QY 1658 TACTGGGCCAACTTTCCCGCACAGGAACCCCAATGATGGGAATCTGCCCTGCTGGCCA 1717
DB 1584 TACTGGGCTACCTTTCTCGAAACCGGAATCTTAATGGGAACGACCTGTCTCTGTGGCCA 1643
QY 1718 CGCTACAAAGGATGAAAGTACCTGCAGCTGATTTTACCAAGAGTGGCGATGAAG 1777
DB 1644 GCTTATATCTGACTGAGCAGTACCTCCAGCTGGACTTGAAACATGAGCCTCGGACAGAGA 1703

QY 1778 CTCAGGAGAGAAAGATGGCTTTTGGATGAG 1809
DB 1704 CTCAGAGACCGGGGTGGATTTTGGACAG 1735
RESULT 9
US-09-949-016-12297
; Sequence 12297, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12297
; LENGTH: 10827
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12297
Query Match 10.3%; Score 205; DB 4; Length 10827;
Best Local Similarity 95.5%; Pred. No. 1e-45;
Matches 211; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
QY 18 CGAGGCTCCCGCCCCAGTACTTGTGCGAGGGATTAAGAGCAGATAAAAGTGTGCTCAC 77
DB 5046 CAAATCTCTCCCGCCCCAGTACTTGTGCGAGGGATTAAGAGCAGATAAAAGTGTGCTCAC 5105
QY 78 ACACGTGACACACGGCTACCATCCATCCACAGTGTGCCATCCACAGTGTGCCATCAC 137
DB 5106 ACACGTGACACACGGCTACCATCCATCCACAGTGTGCCATCCACAGTGTGCCATCAC 5165
QY 138 TCCTGCCACACAGCAGAGCTGCTGGAGCATGAGTGGATTCTGCTGGAGCCTCACCC 197
DB 5166 TCCTGCCACACAGCAGAGCTGCTGGAGCATGAGTGGATTCTGCTGGAGCCTCACCC 5225
QY 198 TCTGCTGATGCGCAGACGGCTTGGGTGCTTGCACACC 238
DB 5226 TCTGCTGATGCGCAGACGGCTTGGGTGATAGACCCCCACC 5266
RESULT 10
US-09-810-861B-5
; Sequence 5, Application US/09810861B
; Patent No. 6770799
; GENERAL INFORMATION:
; APPLICANT: Mor, Tsafir S.
; APPLICANT: Soreq, Hermona
; APPLICANT: Arntzen, Charles J.
; APPLICANT: Mason, Hugh S.
; TITLE OF INVENTION: EXPRESSION OF RECOMBINANT HUMAN ACETYLCHOLINESTERASE IN
; TRANSGENIC PLANTS
; FILE REFERENCE: BTI-45
; CURRENT APPLICATION NUMBER: US/09/810,861B
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/190,440
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 5
; LENGTH: 1725
; TYPE: DNA
; ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: human acetylcholinesterase gene optimized for
OTHER INFORMATION: expression in plants
US-09-810-861B-5

Query Match 7.5%; Score 148.2; DB 4; Length 1725;

Best Local Similarity 48.3%; Pred. No. 1.9e-30;

Matches 680; Conservative 0; Mismatches 693; Indels 36; Gaps 8;

QY 305 CCATCCAGTCTTTTAGAGTCCCTCTCTCAGACCTCTCTCTAGTATCTCTCAGGTTT 364
DB 175 CTTGCTCTGCTTCTCTGTCATCCCTTTGCGGACCCATGAGGACCCCTGCTCTT 234
QY 365 GCACCTCCAGAACCCCGGAGCCCTGGAAGAAATCAGAGATCTACCACTACCGCCT 424
DB 235 CTGCCACCGGAGCCCAAGCAGCTTGGTCAGGGGTGTAGACGCTCAACCTTCCAGAGT 294
QY 425 GGTGCTCTGAGGAGTCTTGGGCGCAGCTGGCTCGATGTACGTACGACGCGGGAACGG 484
DB 295 GTCTGTACCAATATGT---GGACACCTATATACCCAGGTTTGTAGGGCACCGAGATGTG 351
QY 485 TACAAGTGGCTGGCTTTCAGCAGGAGTGTCTGTACTGAACTGTACGCGCGCGCGC 544
DB 352 AACCCCAACCGTAGCTGAGCGAGGAGTCTCTGTACTTCACTGAGTGTGACACATACCCC 411
QY 545 GCGCCCGGGGATCCCGAGCTGCCAGTCAATGCTGTCTGCTTCCCGGAGCGCCTTCACTG 604
DB 412 CGGCC---TACATCCCCACCCCTGCTCTCTGTCTGTATCTATGGGGTGGCTTCTACAGT 468
QY 605 GCGCTGCTTCTT---CGTACGAGGGCTCTGACTTGGCCCGCCCGGAGAAAGTGGTG 658
DB 469 GGGGCTCTCTCTTGGACGCTGTACGATGGCGCTTCTTGTGTACAGCGCGAGAGGAGCTGTG 528
QY 659 CTGGTCTTCTGACGACAGGCTCGGCACTCTCGGCTTCTGAGCAGCGACGACGCC-- 716
DB 529 CTGGTGTCAATGAATACCGGGTGGGAGCTTGTGGCTTCTGCGCTTCTGCGGAGCGCA 588
QY 717 -ACGCGCGGGGAACTGGGGCTGTCTGGACAGATGGCGCTCTGCGCTGGGTGACAGGAG 775
DB 589 GAGGCCCCGGCAATGTGGTCTCTCTGATCAGAGGCTGGCCCTGAGTGGGTGACAGGAG 648
QY 776 AACATCGACCTTCTGGGGAGACCCAGGAAATGTGACCTGTGTGGCCAGTCTGGCGGGG 835
DB 649 AAGTGGCAGCTTCTGGGGGTGACCCGACATCAGTCACTGTGTGGGAGAGCGCGGA 708
QY 836 GCATGAGCATCTCAGGATGATGTACCCCTAGCTCGGCTCTCTTCCATCGGGC 895
DB 709 GCGGCTCGGTGGGACATGCTGTCTGCTGCGGCGCGGCGCTGTTCACAGGGCC 768
QY 896 ATTTCACAGAGTGG-----CACCGGTTATTACAGACTTTTCACTAGTAACCCACTG 949
DB 769 GTGCTGACAGCGGTGCCCCCATATGACCTGGGCCACGGTGGGATGGGAGGCCCCGT 828
QY 950 AAGTGGCCCAAGAGTGTCCCACTGGTGGATGCAACCAACACGACACAGATCTCTG 1009
DB 829 CGCAGGGCCACGAGCTGGCCACCTTGTGGGCTGTCTCCAGCGGCACTGGTGGGAAT 888
QY 1010 GTAACTGCTGAGGCACTATCAGGACCAAGTGTATGGTGTGTCCACAGATGAGA 1069
DB 889 GACACAGAGTGTGATGCTGCTTCCGACACGACCGAGCGAGGTCTCTGGTGA-- 941
QY 1070 TTCTCCAACTGAATTTCCAGAGAGACCCGGAAGATATTCTGTGTCATGAGCCCTGTG 1129
DB 942 --CCAGATGGCAGCTGTGCTCTCAAGAGGCTTCTCGGTCTCTCTGTCGCTGTG 999
QY 1130 GTGAGTGGTGTGTGATCCAGATGACCCCTTGTGTCTCTGTGACCCAGGGGAGGTTTCA 1189
DB 1000 GTAGATGGAGACTTCTCTAGTACACCCAGAGGCTCTATCAACCGGAGACTTCCAC 1059
QY 1190 TCTGTGCCCTTACTTCTAGTGTCAACACCTGGAATTCATTTGGCTCTTGCCTTATATC 1249
DB 1060 GGCCTGCAAGTGTCTGGTGGGTGTGGTGAAGGATGAGGGCTCGTATTTTCTGGTTTACGGG 1119

QY 1250 ATGAAGTTCCCGCTAAACCGGCGAGCGATGAGAAAGAAACCACTACTAAGATGCTCTGG 1309
DB 1120 GCCCAGGCTTTCAGCAAGACCAACGAGTCTCTCATCAGCGCGGCGAGTTCTCTGGCGGG 1179
QY 1310 AGTACCCGCGACCTGTTGAATATACCAAGGAGCAGGTACCACTTGTGGTGGAGGAGTAC 1369
DB 1180 GTGCGGGTCTGGGGTTCCTCCAGGTAAGTGACCTGGCAGCGAGGCTGTGGTCTTGCATTAC 1239
QY 1370 CTGGACAATGTCTCAATCAGCATGACTGGAAGATGCTACGAAACCGGTATGATGGACATAGTT 1429
DB 1240 ACAGACTGGCTGATCTCCCGAGGACCCCGCAGCTGAGGAGGCGCTGAGCGATGTGTG 1299
QY 1430 CAAGATGCCACTTCTGTATGCAACACTGCAAGATGCTCTACTACCAACGAGATGCCGCG 1489
DB 1300 GCGCAGCAATGTCTGTGCTGCGCGCGGCGAGCTGGCTGGGCGAGTGGCTGCCAGGGT 1359
QY 1490 CTCCTCTGTCTACTGTATGAAATTTGAGCACCAGCTCGTGGATATATCGTCAAAACCCCGC 1549
DB 1360 GCCCGGGTCTAGCGCTACGTCTTTGAACACCGTGC---TTCCACGCTCTCTCGGCCCTG 1416
QY 1550 ACTGATGGGCGCAGACCATGGGATGAGATGTACTCTCTTTGGGGCGCCCTT---CGCC 1606
DB 1417 TGGATGGGGTGGCCCAACCGCTACGAGTCGAGTTCATCTTTGGGATCCCTTGGACCCC 1476
QY 1607 ACAGGCTTTTCCATGGGTAAAGAGAGAGGCACTTAGCTTCCAGATGATGAATACTGGGCC 1666
DB 1477 TCTCGAAATACACGCGAGGAGAAATCTTCGCCACGAGCTGATGCGATCTGGGCC 1536
QY 1667 AACTTGGCGCAGCAGGAAACCCCATGA 1695
DB 1537 AACTTTGCCCGCAGCGGGGATCCCAATGA 1565

RESULT 11

US-07-732-962A-1
Sequence 1, Application US/07732962A
Patent No. 5248604
GENERAL INFORMATION:
APPLICANT: Fischer, Meir
TITLE OF INVENTION: EXPRESSION OF ENZYMATICALLY ACTIVE
TITLE OF INVENTION: RECOMBINANT HUMAN ACETYLCHOLINESTERASE
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White, Esq.
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/732,962A
FILING DATE: 19910722
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 39304/JPW/LSW
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1845 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1842

US-07-732-962A-1

Query Match 7.5%; Score 148.2; DB 1; Length 1845;

Best Local Similarity 48.3%; Pred. No. 1.9e-30;

Matches 680; Conservative 0; Mismatches 693; Indels 36; Gaps 8;

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QY 305 CCATCCAAAGTCTTTTATGAGTCCCTTCTCAGACCTCTCTTAGTATCTCAGGTTT 364
DB 175 CTGTCTCTGCTTCTCTGGCATCCCTTTTGGAGCCACCCATGGACCCCGTCTT 234
QY 365 GCACCTCCAGAACCCCGGAGCCCTCGAAAGGAATCAGAGATGCTTACCACTTACCGCCT 424
DB 235 CTGCCACCGGAGCCCAAGCAGCCCTTGTCTAGGGGTGTAGACGCTACAACTTCCAGAT 294
QY 425 GGTGTCTGAGAGTCTTGGGCGCAGCTGGCTCATGTACGTACGACGCGGGAACG 484
DB 295 GTCTGTACCAATATGT---GGACACCTATATCCAGGTTTGGAGGACCCAGATGTG 351
QY 485 TACAAGTGGCTGGCTTACCGAGGACTGTCTGTACTGAACTGTACGCGCGCGCGC 544
DB 352 AACCCCAACGCTAGCTGAGCGAGGACTGCTGTACTCTCACTGTGGACACCATACCC 411
QY 545 GCGCCCGGGGATCCCAAGTGCAGTGATGCTGTGTTCCGGGAGCGCTTTCATCGTG 604
DB 412 CGGCC---TACATCCCCACCCCTCTCTGTCTGTGATCTATGGGGTGGCTTCTACAGT 468
QY 605 GCGCTGCTCTT-----CGTAGAGGCTCTGACTTGGCCCGCGAGAAAGTGTG 658
DB 469 GGGGCTCTCTCTTGAAGTGTGAGTGGCCGCTTCTTGTGACAGCGCGAGAGCTGTG 528
QY 659 CTGTGTTTCTGACACAGCTCGGCATCTTCGGCTTCTGAGCAGCGACACAGCC-- 716
DB 529 CTGTGTTCATGAACTACCGGTGGAGCTTTGGCTTCTTGGCTTCTGCGGAGCCGA 588
QY 717 -ACGCGCGGGAACTGGGGGCTGTGGACAGATGGCGCTCTGCGCTGGGTGGAGG 775
DB 589 GAGGCCCGGGCAATGTGGTCTCTGGATCAGAGGCTGGCCCTGCAGTGGGTGCGAGG 648
QY 776 AACATCGACGCTTCGGGGGAGACCCAGGAAATGTACCTCTTTCGSCCAAGTGGCGGG 835
DB 649 AAGTGCGACCTTCGGGGGTGACCCGACATCAGTGACGCTGTGGGAGAGCGCGGA 708
QY 836 GCCATGAGCATCTCAGGACTGATGATGTACCCCTAGCCTCGGGTCTCTTCCATCGGGC 895
DB 709 GCGGCTCGGTGGCATGCACTGCTGTCCCGCCGCGCGGCGCTGTTCACAGGGCC 768
QY 896 ATTTCCAGAGTGG-----CACCGCTTATTCAGACTTTTTCATCTAGTAAACCACTG 949
DB 769 GTGCTGACAGAGCGGTGCCCCCAATGACCTCTGGGCCACCGTGGGCATGGGAGGCGCCG 828
QY 950 AAGTGCCCAAGAGTGTGCCACTCTGCTGGATGCAACACACACACACACACAGATCCTG 1009
DB 829 CGCAGGCGCAGCAGCTGGCCCACTTGTGGGCTGTCTCTCAGCGGCACTGGTGGAAAT 888
QY 1010 GTAACTGCTCAGGGCACTATCAGGAGCAAGGTGATGCTGTGTCCAAACAAGATGAGA 1069
DB 889 GACACAGAGCTGTAGCTGCTGCGACACGACGACGAGGCTCTGTGTGAA----- 941
QY 1070 TTCCTCCAACTGAACTTCCAGAGAGACCCGGAAGAGATTATCTGGTCCATGAGCCCTGTG 1129
DB 942 --CCACGAATGSCAGTGTCTCTCAAGAAAGCGCTTTCGCGGTTCTCTCTGTCGCTGTG 999
QY 1130 GTGATGTGTGTGATCCAGATGACCTTTGTGTCTCTGACCCAGGGGGAAGTTTCA 1189
DB 1000 GTAGATGAGACTTCTCTCAGTGACACCCAGAGGCTCTCATCAACGCGGAGACTTCCAC 1059
QY 1190 TCTGTGCCCTACTTCTAGGTGTCAACAACTGGAATTCAAATGGCTCTGCTCTTATATC 1249
DB 1060 GGCCTGCAAGTGTGTTGGTGTGTGAGGATGAGGCTCGTATTTTCTGTTTACGGG 1119
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QY 1250 ATGAGTTCCCGTAAACCGGCGAGTGAAGAAACCATCACCTAAGATGCTCTGG 1309
DB 1120 GCCCAGGCTTACGAAAGACAAAGAGTCTCTCATCAGCGGGCGAGTTCTCTGGCCGG 1179
QY 1310 AGTACCCCGCACCCCTGTTGAATATACCAAGAGAGAGTACCACCTTGTGGTGGAGAGTAC 1369
DB 1180 GTGCGGTGGGTTTCCCGAGTAAGTACCTGGCAGCGGAGGCTGTGGTCTCTGCAATTAC 1239
QY 1370 CTGGCAATGTCAATGAGCATGCTGGAAGATGTACGAAACCGTATGATGACATAGTT 1429
DB 1240 ACAGACTGGCTGCACTCCCGAGACCCGCAACGCTTGGAGGAGGCTTGGCGCATGTGGTG 1299
QY 1430 CAAGATGCCACTTCTGTGTATGCCACACTGCAGACTGTCTACTACACCGAGATGCCGCG 1489
DB 1300 GCGGACCAATGTCTGTGCCCCGTGGCCGAGCTGGTGGGCGACTGGCTGCCCGAGGT 1359
QY 1490 CTCCCTGTCTACTCTGTATGAATTTTGGACCAACAGTCTGTGGAAATATGTCMAACCCCG 1549
DB 1360 GCCCGGCTTACGCTAGCTCTTTGAACACCGTGC---TTCCACGCTCTCTCTGGCCCTTG 1416
QY 1550 ACTGATGGGCGACACATGGGATGAGATGACTTCTCTTTGGGGGCCCTT---CGCC 1606
DB 1417 TGGATGGGGGTGCCCAACGCTTACGAGATCGAGTTCATCTTTGGGATCCCCCTGACCCC 1476
QY 1607 ACAGGCTTTCATGGTAAAGGAGAGGCACTTAGCCTCCAGATGATGAAATCTCTGGGCC 1666
DB 1477 TCTGAAACTACACGCGCAGAGAGAAATCTTCGCCAGCGAGCTGATGCGTACTGGGCC 1536
QY 1667 AACTTTGGCCGACAGGAAACCCCAATGA 1695
DB 1537 AACTTTGGCCGACAGGAGATCCCAATGA 1565
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RESULT 12

PCT-US92-06106-1

Sequence 1, Application PC/TUS9206106

GENERAL INFORMATION:

APPLICANT: Fischer, Meir

TITLE OF INVENTION: ENZYMATICALLY ACTIVE RECOMBINANT HUMAN

TITLE OF INVENTION: ACETYLCHOLINESTERASE AND USES THEREOF

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: John P. White, Esq.

STREET: 30 Rockefeller Plaza

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10112

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/06106

FILING DATE: 19920722

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: White, John P.

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 39304-B-PCT/JPW/EAB

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 977-9550

TELEFAX: (212) 664-0525

TELEX: 422523 COOP UI

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1845 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:
NAME/KEY: CDS
LOCATION: 1..1842
PCT-US92-06106-1

Query Match 7.5%; Score 148.2; DB 5; Length 1845;
Best Local Similarity 48.3%; Pred. No. 1.1e-30; Indels 36; Gaps 8;
Matches 680; Conservative 0; Mismatches 693

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RESULT 13

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; Sequence 1192, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1192
; LENGTH: 2158
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1192

Query Match 7.5%; Score 148.2; DB 4; Length 2158;
Best Local Similarity 48.3%; Pred. No. 2.1e-30; Indels 36; Gaps 8;
Matches 680; Conservative 0; Mismatches 693

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QY 305 CCATCAAGTCTTTTAGGAGTCCCTTCTCCAGACCTCTCTAGGTATCTCTCAGGTTT 364
DB 269 CTTGTCTCTGCTTCTGTCGTCATCCCTTTTGGGAGCCACCCATGGGACCCCGTCTTT 328
QY 365 GCACCTCCAGAACCCCGGAGCCCTGGAAGGAATCAGAGATCTACCACTACCCGCTT 424
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Job time : 349 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 10, 2005, 16:59:43 ; Search time 1170 Seconds
(without alignments)
10363.408 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

Searched: 5654200 seqs, 3057283753 residues

Total number of hits satisfying chosen parameters: 11308400

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1752	88.4	1752	16	US-10-001-227-3
4	1459.4	73.6	2178	17	US-10-108-260A-339
5	1013	51.1	2456	9	US-09-978-295A-253
6	1013	51.1	2456	9	US-09-978-697-253
7	1013	51.1	2456	9	US-09-978-192A-253
8	1013	51.1	2456	9	US-09-999-832A-253
9	1013	51.1	2456	10	US-09-978-189-253
10	1013	51.1	2456	10	US-09-978-608A-253
11	1013	51.1	2456	10	US-09-978-585A-253

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15	1013	51.1	2456	10	US-09-999-833A-253	Sequence 253, App
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ALIGNMENTS

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; Publication No. US20030166900A1
; GENERAL INFORMATION:
; APPLICANT: KAPILLER-LIBERMANN
; APPLICANT: SILOS-SANTIAGO
; TITLE OF INVENTION: METHODS OF USING 18903 TO TREAT PAIN AND
; TITLE OF INVENTION: PAIN-RELATED DISORDERS
; FILE REFERENCE: MNI-199
; CURRENT APPLICATION NUMBER: US/10/001,227
; CURRENT FILING DATE: 2001-11-30
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1983
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (98)...(1849)
US-10-001-227-1

Query Match 100.0%; Score 1983; DB 16; Length 1983;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1983; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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1501	QY	CCCTGATGAATTTGAGCACCAACGCTCGTGGAAATAATCGTCAAAACCCCGCACTCATGGGGC	1560
1501	DB	CCCTGATGAATTTGAGCACCAACGCTCGTGGAAATAATCGTCAAAACCCCGCACTCATGGGGC	1560
1561	QY	AGACCATGGGGATGAGATGTACTTCTCTTTTGGGGGGCCCTTCGCCACACGGCCTTTTCCAT	1620
1561	DB	AGACCATGGGGATGAGATGTACTTCTCTTTTGGGGGGCCCTTCGCCACACGGCCTTTTCCAT	1620
1621	QY	GGGTAAAGGAAGGCACCTTAGACCTCCAGATGATGAATACTATGGGCCAACTTTGCCCGCAC	1680
1621	DB	GGGTAAAGGAAGGCACCTTAGACCTCCAGATGATGAATACTATGGGCCAACTTTGCCCGCAC	1680
1681	QY	AGAAACCCCAATGATGGGAATCTGCCCTGTGGCCACGGTACAACAAGATGAAGATA	1740
1681	DB	AGAAACCCCAATGATGGGAATCTGCCCTGTGGCCACGGTACAACAAGATGAAGATA	1740
1741	QY	CTTGCGACTCGATTTTACCAAGAGTGGGCATGAAGCTCAAGAGAGAAGATGGCTTT	1800
1741	DB	CTTGCGACTCGATTTTACCAAGAGTGGGCATGAAGCTCAAGAGAGAAGATGGCTTT	1800
1801	QY	TTGGATGAGTCTGTACAGTCTCAAGAAGTGGGCATGAAGCTCAAGAGAGAAGATGGCTTT	1860
1801	DB	TTGGATGAGTCTGTACAGTCTCAAGAAGTGGGCATGAAGCTCAAGAGAGAAGATGGCTTT	1860
1861	QY	ATGCAGGAAGGACCAAGAGGGGTTTGGCCCAACCATCCAGGCCCTGGGGAGACTAGCC	1920
1861	DB	ATGCAGGAAGGACCAAGAGGGGTTTGGCCCAACCATCCAGGCCCTGGGGAGACTAGCC	1920
1921	QY	ATGGACATACCTTGGGGAAGAGTTCTACCAAGGGCGAATTCGTTTAAACCTGCAGGAC	1980
1921	DB	ATGGACATACCTTGGGGAAGAGTTCTACCAAGGGCGAATTCGTTTAAACCTGCAGGAC	1980
1981	QY	TAG 1983	
1981	DB	TAG 1983	

RESULT 2
US-10-343-593-29
; Sequence 29; Application US/10343593
; Publication No. US20040110259A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.; BAUGHN, Mariah R.;
; APPLICANT: BRUNS, Christopher M.; DAS, Debopriya;
; APPLICANT: DELEGANE, Angelo M.; DING, Li;
; APPLICANT: ELLIOT, Vicki S.; GANDHI, Ameena R.;
; APPLICANT: GRIFFIN, Jennifer A.; HAPALIA, April J.A.;
; APPLICANT: KHAN, Farrah A.; LAL, Preeti G.;
; APPLICANT: LEE, Sally; LU, Dyung Aina M.;
; APPLICANT: LU, Yan; ARVIZU, Chandra S.;
; APPLICANT: RAMKURAN, Jayalaxmi; RING, Huijun Z.;

RESULT 2
US-10-343-593-29
; Sequence 29, Application US/10343593
; Publication No. US20040110259A1

APPLICANT: SANJANWALA, Madhusudan M.; TANG, Y. Tom;
APPLICANT: THANGAVELU, Kavitha; THORNTON, Michael;
APPLICANT: TRIBOULEY, Catherine M.; CHAWLA, Narinder K.;
APPLICANT: WARREN, Bridget A.; YANG, Junming;
APPLICANT: YAO, Monique G.; YUE, Henry
TITLE OF INVENTION: DRUG METABOLIZING ENZYMES
FILE REFERENCE: PI-0185 USN
CURRENT APPLICATION NUMBER: US/10/343,593
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: US 60/223,055
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: US 60/224,728
PRIOR FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: US 60/226,440
2000-08-18
PRIOR APPLICATION NUMBER: US 60/228,067
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/230,063
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US 60/232,244
PRIOR FILING DATE: 2000-09-13
PRIOR APPLICATION NUMBER: US 60/234,269
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PERL Program

SEQ ID NO 29
LENGTH: 2081
TYPE: DNA

ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature

OTHER INFORMATION: Incyte ID No: 7478588CB1
US-10-343-593-29

Query Match 97.3%; Score 1928.6; DB 18; Length 2081;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1931; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY	18	CGAGGCTCCGCGCCAGTACTTGTGCGCAGGATTAAGAGCAGATAAAGTGTGCTCAC	77
DB	27	CAATCCCCCGCCAGTACTTGTGCGCAGGATTAAGAGCAGATAAAGTGTGCTCAC	86
QY	78	ACACTGTAGACAGGCTACCATGCCATCCACAGTGTGCCATCCAGTGTGCCATCAC	137
DB	87	ACACTGTAGACAGGCTACCATGCCATCCACAGTGTGCCATCCAGTGTGCCATCAC	146
QY	138	TCTGTGCCACAGCAGAGCTGGCTGGAGCATGAGTGGATTCTGTGCTGGAGCTCACCC	197
DB	147	TCTGTGCCACAGCAGAGCTGGCTGGAGCATGAGTGGATTCTGTGCTGGAGCTCACCC	206
QY	198	TCTGCTGTATGGCGCAGACGGCCCTTGGGTGCTTGCACACCAAGAGGCTCAAGTGGTCA	257
DB	207	TCTGCTGTATGGCGCAGACGGCCCTTGGGTGCTTGCACACCAAGAGGCTCAAGTGGTCA	266
QY	258	CGAAATATGGAACCTTCGAAGGAAACAGATGATGTGGGGAAGACACCCATCCAAGTCT	317
DB	267	CGAAATATGGAACCTTCGAAGGAAACAGATGATGTGGGGAAGACACCCATCCAAGTCT	326
QY	318	TTTTAGAGTCCCTTCTCCAGACCTCTCTAGGTATCCTCAGTGTTCACCTCCAGAAC	377
DB	327	TTTTAGAGTCCCTTCTCCAGACCTCTCTAGGTATCCTCAGTGTTCACCTCCAGAAC	386
QY	378	CCCCGAGGCTCGGAAAGGAATCAGAGATGCTACCACTACCCGCTGGGTGCTGCAGG	437
DB	387	CCCCGAGGCTCGGAAAGGAATCAGAGATGCTACCACTACCCGCTGGGTGCTGCAGG	446
QY	438	AGTCTGTGGGCCAGCTGGCTCCATGTATCGTACGACGCGGGAAACGGTACAAAGTGTGC	497
DB	447	AGTCTGTGGGCCAGCTGGCTCCATGTATCGTACGACGCGGGAAACGGTACAAAGTGTGC	506
QY	498	GCTTCAGCAGGAGTGTCTGTACTGAACTGATGATGCGCGCGCGCGCGCGCGCGGATC	557
DB	507	GCTTCAGCAGGAGTGTCTGTACTGAACTGATGATGCGCGCGCGCGCGCGCGCGGATC	566

QY	558	CCAGCTGCCAGTGTATGGTCTGTGTTCCCGGGAAGGCGCTTTCATCGTGGGCGCTGCTTCTT	617
DB	567	CCAGCTGCCAGTGTATGGTCTGTGTTCCCGGGAAGGCGCTTTCATCGTGGGCGCTGCTTCTT	626
QY	618	CGTACAGAGGCTCTGACTTGGCGCCCGCGAGAAAGTGGTGTGTTCTTCAGCAGACA	677
DB	627	CGTACAGAGGCTCTGACTTGGCGCCCGCGAGAAAGTGGTGTGTTCTTCAGCAGACA	686
QY	678	GGCTCGGCATCTTTCGGCTTCTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC	737
DB	687	GGCTCGGCATCTTTCGGCTTCTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC	746
QY	738	TGCTGGAACAGATGGGCGCTCTCGCTGGGTGAGAGAAACATCGCAGCCTTCGGGGGAG	797
DB	747	TGCTGGAACAGATGGGCGCTCTCGCTGGGTGAGAGAAACATCGCAGCCTTCGGGGGAG	806
QY	798	ACCCAGGAATGACCTTTCGGCTTTCGGCGAGTGGCGGGGGCCATGAGCATCTCAGGACTGA	857
DB	807	ACCCAGGAATGACCTTTCGGCTTTCGGCGAGTGGCGGGGGCCATGAGCATCTCAGGACTGA	866
QY	858	TGATGTCAACCCCTAGGCTCGGGTCTCTTCATCGGGCCATTTCCAGAGTGGCACCCGCT	917
DB	867	TGATGTCAACCCCTAGGCTCGGGTCTCTTCATCGGGCCATTTCCAGAGTGGCACCCGCT	926
QY	918	TATTGAGACTTTTTCATCACTAGTAAACCACTGAAAGTGGCCAAAGAGTTGCCACCTGG	977
DB	927	TATTGAGACTTTTTCATCACTAGTAAACCACTGAAAGTGGCCAAAGAGTTGCCACCTGG	986
QY	978	CTGGATGCAACCAACAGCAGACAGATCTGTGTAACCTGCTGAGGGCACTATCAGGA	1037
DB	987	CTGGATGCAACCAACAGCAGACAGATCTGTGTAACCTGCTGAGGGCACTATCAGGA	1046
QY	1038	CCAAGTGTGCTGCTGCTTCCAAACAGATGAGATTCCTCCAACTGAACTTCCAGAGAGACC	1097
DB	1047	CCAAGTGTGCTGCTGCTTCCAAACAGATGAGATTCCTCCAACTGAACTTCCAGAGAGACC	1106
QY	1098	CGAAGAGATTAATCTGGTCCATGAGCCCTGTGTGTGATGGTGTGATCCAGAGTACC	1157
DB	1107	CGAAGAGATTAATCTGGTCCATGAGCCCTGTGTGTGATGGTGTGATCCAGAGTACC	1166
QY	1158	CTTTGTGCTCCTGAGCCCGAGGGAAGGTTTCATCTGTCCTTACCTTCTAGGTGTCAACA	1217
DB	1167	CTTTGTGCTCCTGAGCCCGAGGGAAGGTTTCATCTGTCCTTACCTTCTAGGTGTCAACA	1226
QY	1218	ACCTGGAATTCGAATTCGCTTTCATGAACTTATATGAACTTCCCGCTAAACCCGAGGCGA	1277
DB	1227	ACCTGGAATTCGAATTCGCTTTCATGAACTTATATGAACTTCCCGCTAAACCCGAGGCGA	1286
QY	1278	TGAGAAAGGAAACCACTCACTAAGATGCTTGGAGTACCCGCACTTGTGTAATATCACCA	1337
DB	1287	TGAGAAAGGAAACCACTCACTAAGATGCTTGGAGTACCCGCACTTGTGTAATATCACCA	1346
QY	1338	AGGAGCAGGTACCACTTGTGGTGGAGGATCTGAGCAATGTCAATGAGCATGACTGGA	1397
DB	1347	AGGAGCAGGTACCACTTGTGGTGGAGGATCTGAGCAATGTCAATGAGCATGACTGGA	1406
QY	1398	AGATGCTACGAAACCCGTATGAGTACATGAGTTCAGATGCACTTTCGTGTATGCCACAC	1457
DB	1407	AGATGCTACGAAACCCGTATGAGTACATGAGTTCAGATGCACTTTCGTGTATGCCACAC	1466
QY	1458	TGCAGACTGCTCACTACCAACCGAGATGCGGGCTCCCTGTCTACTGTATGAAATTTGAGC	1517
DB	1467	TGCAGACTGCTCACTACCAACCGAGATGCGGGCTCCCTGTCTACTGTATGAAATTTGAGC	1526
QY	1518	ACCAAGCTCGTGAATAATCGTCAAAACCCGCACTGATGGGCGAGACCATGGGGATGAGA	1577
DB	1527	ACCAAGCTCGTGAATAATCGTCAAAACCCGCACTGATGGGCGAGACCATGGGGATGAGA	1586
QY	1578	TGTACTTCTCTTTGGGGGCCCTTCGCAACAGGCTTCCATGGGTAAAGAGAAAGGCAC	1637
DB	1587	TGTACTTCTCTTTGGGGGCCCTTCGCAACAGGCTTCCATGGGTAAAGAGAAAGGCAC	1646

QY 1638 TTAGCTCCAGATGATGAATACTGGGCCAACTTTGCCCGCACAGAAACCCCAATGATG 1697
DB 1647 TTAGCTCCAGATGATGAATACTGGGCCAACTTTGCCCGCACAGAAACCCCAATGATG 1706
QY 1698 GGAATCTGCCCTGCTGGCCACGCTACAAACAGGATGAAAGTACCTGCGAGCTGGATTTTA 1757
DB 1707 GGAATCTGCCCTGCTGGCCACGCTACAAACAGGATGAAAGTACCTGCGAGCTGGATTTTA 1766
QY 1758 CCAAGAGTGGGATGAAGCTCAGGAGGAGAGATGCTTTTGGATGATCTGTACC 1817
DB 1767 CCAAGAGTGGGATGAAGCTCAGGAGGAGAGATGCTTTTGGATGATCTGTACC 1826
QY 1818 AGTCTCAAGACCTGAGAGCAGAGGCAATTTCTAAGGTGGCTATGACAGAAAGAGCCAA 1877
DB 1827 AGTCTCAAGACCTGAGAGCAGAGGCAATTTCTAAGGTGGCTATGACAGAAAGAGCCAA 1886
QY 1878 AGAGGGGTTTGGCCCCCACCACCTCCAGGCCCTGGGGAGACTAGCCATGGAATCCTGGGA 1937
DB 1887 AGAGGGGTTTGGCCCCCACCACCTCCAGGCCCTGGGGAGACTAGCCATGGAATCCTGGGA 1946
QY 1938 CAAGAGTTCTACCCA 1952
DB 1947 CAAGAGTTCTACCCA 1961

RESULT 3

US-10-001-227-3
; Sequence 3, Application US/10001227
; Publication No. US20030166900A1
; GENERAL INFORMATION:
; APPLICANT: KAPPELLER-LIBERMANN
; APPLICANT: SILOS-SANTAGO
; TITLE OF INVENTION: METHODS OF USING 18903 TO TREAT PAIN AND
; FILE OF INVENTION: PAIN-RELATED DISORDERS
; FILE REFERENCE: MNI-199
; CURRENT APPLICATION NUMBER: US/10/001,227
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/250929
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1752
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1752)
US-10-001-227-3

Query Match 88.4%; Score 1752; DB 16; Length 1752;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1752; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 ATGCCATCCACAGTGTGGCCATCCACAGTGTGGCCATCTCTGCCACAGCAGGAGCT 157
DB 1 ATGCCATCCACAGTGTGGCCATCCACAGTGTGGCCATCTCTGCCACAGCAGGAGCT 60
QY 158 GGCTGGAGCATGAGTGGATTTCTGTGCTGGAGCCTCACTCTGCTGCTGAGTGGCGGAGC 217
DB 61 GGCTGGAGCATGAGTGGATTTCTGTGCTGGAGCCTCACTCTGCTGCTGAGTGGCGGAGC 120
QY 218 GCCTTGGTGGCTTGCACACAGAGCCCTCAAGTGTGCTACCAATATGGAACCTTGCAA 277
DB 121 GCCTTGGTGGCTTGCACACAGAGCCCTCAAGTGTGCTACCAATATGGAACCTTGCAA 180
QY 278 GGAACACAGATGATGTGGGAGACACACCCATCCAACTCTTTTAGGAGTCCCTCTTCC 337
DB 181 GGAACACAGATGATGTGGGAGACACACCCATCCAACTCTTTTAGGAGTCCCTCTTCC 240
QY 338 AGACCTCTCTAGGTATCTCAGGTTTGCACCTCCAGAAACCCCGAGCCCTGGAAGGA 397
DB 241 AGACCTCTCTAGGTATCTCAGGTTTGCACCTCCAGAAACCCCGAGCCCTGGAAGGA 300

QY 398 ATCAGAGATGCTACCACTACCCGCTGGGTGCTCTGACAGGAGTCTTGGGGCCAGCTGACC 457
DB 301 ATCAGAGATGCTACCACTACCCGCTGGGTGCTCTGACAGGAGTCTTGGGGCCAGCTGACC 360
QY 458 TCGATGTACGTACGACGCGGGAAACGGTACAAAGTGGCTGCGCTTTCAGGAGGAGTGTCTG 517
DB 361 TCGATGTACGTACGACGCGGGAAACGGTACAAAGTGGCTGCGCTTTCAGGAGGAGTGTCTG 420
QY 518 TACCTGAACGTGTACG 577
DB 421 TACCTGAACGTGTACG 480
QY 578 TGGTTCCTCCGAGGAGCGGCTTTCATCTGTGGCGCTGCTTCTTCTGTACGAGGCTCTGACTTG 637
DB 481 TGGTTCCTCCGAGGAGCGGCTTTCATCTGTGGCGCTGCTTCTTCTGTACGAGGCTCTGACTTG 540
QY 638 GCGCGCCCGGAGAAAGTGGTGTCTGTGCTTCTGTACGAGGCTCTGACTTG 697
DB 541 GCGCGCCCGGAGAAAGTGGTGTCTGTGCTTCTGTACGAGGCTCTGACTTG 600
QY 698 CTGAGCAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 757
DB 601 CTGAGCAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 660
QY 758 CTGCGCTGGTGCAGGAGAAATCTCGAGCCTTTCGGGGGAGACCCAGGAAATGTGACCTTG 817
DB 661 CTGCGCTGGTGCAGGAGAAATCTCGAGCCTTTCGGGGGAGACCCAGGAAATGTGACCTTG 720
QY 818 TTCGGCCAGTTCGGGGGCGGAGAGCTCTCAGAGTGTGATGTACCTTACCTTACCTT 877
DB 721 TTCGGCCAGTTCGGGGGCGGAGAGCTCTCAGAGTGTGATGTACCTTACCTTACCTT 780
QY 878 GGTCTCTTCCATCGGCGGCAATTTCCAGAGTGGCAGCGGTATTTCAGACTTTTCACT 937
DB 781 GGTCTCTTCCATCGGCGGCAATTTCCAGAGTGGCAGCGGTATTTCAGACTTTTCACT 840
QY 938 AGTAAACCCACTGAAAGTGGCCAAAGAGTGTGCCACTTGGCTGGATGCAACCAACACG 997
DB 841 AGTAAACCCACTGAAAGTGGCCAAAGAGTGTGCCACTTGGCTGGATGCAACCAACACG 900
QY 998 ACACAGATCCTGGTAAATCTGCTGAGGCGCACTATCAGGAGCAGGAGTGTGCTGCTCC 1057
DB 901 ACACAGATCCTGGTAAATCTGCTGAGGCGCACTATCAGGAGCAGGAGTGTGCTGCTCC 960
QY 1058 AACAGATGAGATTTCTTCCAACTGAACTTCCAGAGAGACCCGGAAGAGATTTATCTGGTCC 1117
DB 961 AACAGATGAGATTTCTTCCAACTGAACTTCCAGAGAGACCCGGAAGAGATTTATCTGGTCC 1020
QY 1118 ATGAGCCCTGTGGTGGATGTGGTGAATCCAGATGACCTTGGTGTCTCTGACCCAG 1177
DB 1021 ATGAGCCCTGTGGTGGATGTGGTGAATCCAGATGACCTTGGTGTCTCTGACCCAG 1080
QY 1178 GGAAGGTTTCACTGTGCGCTTACCTTCTAGGTGTCAACAACTGGAATTCATTTGGCTC 1237
DB 1081 GGAAGGTTTCACTGTGCGCTTACCTTCTAGGTGTCAACAACTGGAATTCATTTGGCTC 1140
QY 1238 TTGCTTTATATCATGAAGTTCCGCTAAACCCGCGAGCGATGAGAAAGAAACCATCACT 1297
DB 1141 TTGCTTTATATCATGAAGTTCCGCTAAACCCGCGAGCGATGAGAAAGAAACCATCACT 1200
QY 1298 AAGATCTCTGGAGTACCCGCGACCTTGGTGAATATCAACAGGAGCAGGTACCACTTGTG 1357
DB 1201 AAGATCTCTGGAGTACCCGCGACCTTGGTGAATATCAACAGGAGCAGGTACCACTTGTG 1260
QY 1358 GTGGAGGATGACTGTGACAAATGTCAATGAGCATGACTGGAAGATGCTAGGAACCCGTATG 1417
DB 1261 GTGGAGGATGACTGTGACAAATGTCAATGAGCATGACTGGAAGATGCTAGGAACCCGTATG 1320
QY 1418 ATGACATATGTTCAAGATGCCACTTTCTGTGTATGCGACACTGACAGTGTCTACTACCCAC 1477
DB 1321 ATGACATATGTTCAAGATGCCACTTTCTGTGTATGCGACACTGACAGTGTCTACTACCCAC 1380

QY 1478 CGAGATGCCCGCTCCCTGTCTACCTGTATGAATTTGAGCACCAACGCTGTGGAATATC 1537
Db 1381 CGAGATGCCCGCTCCCTGTCTACCTGTATGAATTTGAGCACCAACGCTGTGGAATATC 1440
QY 1538 GTCAAAACCCCGCACTGATGGGGAGACCATGGGGATGAGATGTACTTCTTTGGGGG 1597
Db 1441 GTCAAAACCCCGCACTGATGGGGAGACCATGGGGATGAGATGTACTTCTTTGGGGG 1500
QY 1598 CCCTTGCSCCAAGGCTTTCCATGGGTAAGGAGAAGCACTTAGCCCTCCAGATGATGAAA 1657
Db 1501 CCCTTGCSCCAAGGCTTTCCATGGGTAAGGAGAAGCACTTAGCCCTCCAGATGATGAAA 1560
QY 1658 TACTGGGCCCAACTTTGCCCGCACAGGAAACCCCAATGATGGGAATCTGCCCTCTGGCCCA 1717
Db 1561 TACTGGGCCCAACTTTGCCCGCACAGGAAACCCCAATGATGGGAATCTGCCCTCTGGCCCA 1620
QY 1718 CGCTACAAAGAGATGAAAGTACCTGACGTGGATTTTACCAAGAGTGGGCATGAAG 1777
Db 1621 CGCTACAAAGAGATGAAAGTACCTGACGTGGATTTTACCAAGAGTGGGCATGAAG 1680
QY 1778 CTCAGGAGAGAAGATGGCTTTTGGATGAGTCTGTACCAAGTCTCAAAAGACCTGAGAAG 1837
Db 1681 CTCAGGAGAGAAGATGGCTTTTGGATGAGTCTGTACCAAGTCTCAAAAGACCTGAGAAG 1740
QY 1838 CAGAGGCAATTC 1849
Db 1741 CAGAGGCAATTC 1752

RESULT 4

US-10-108-260A-339
; Sequence 339, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1el full length cDNA
; FILE REFERENCE: HI-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 339
; LENGTH: 2178
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-339

Query Match 73.6%; Score 1459.4; DB 17; Length 2178;

Best Local Similarity. 96.4%; Pred. No. 0;

Matches 1526; Conservative 0; Mismatches 1; Indels 56; Gaps 1;

QY 426 GGTGCTGCAGGAGTCTGGGGCCAGCTGGCTCGATGTACGTACAGCACGCGGGAACGGT 485
Db 86 GGTGCTGCAGGAGTCTGGGGCCAGCTGGCTCGATGTACGTACAGCACGCGGGAACGGT 145
QY 486 ACAAGTGGCTGCCCTTCAGCGAGACTGTCTGTACCTGAACTGTACGCGCGCGCGCG 545
Db 146 ACAAGTGGCTGCCCTTCAGCGAGACTGTCTGTACCTGAACTGTACGCGCGCGCGCG 205
QY 546 CGCCCGGGGATCCCAAGCTGCCAGTGTATGTCTGTGTTCCGGAGGCGCTTCATCGTGG 605
Db 206 CGCCCGGGGATCCCAAGCTGCCAGTGTATGTCTGTGTTCCGGAGGCGCTTCATCGTGG 265
QY 606 CGCGCTCTTCTGTACGAGGGCTGTGACTTGGCCCGCGAGAAAGTGGTCTGTGT 665
Db 266 CGCGCTCTTCTGTACGAGGGCTGTGACTTGGCCCGCGAGAAAGTGGTCTGTGT 325
QY 666 TTCTGACGACAGGCTCGGCATCTTCGGCTTCCTGA----- 701
Db 326 TTCTGACGACAGGCTCGGCATCTTCGGCTTCCTGAAGGTGGCGGGCGCGGTACCCCTTTGG 385
QY 702 -----GCACGAGCAGACGCGCGCGGGAA 729
|||||

Db 386 GACCGCAGCTGTGGCCAGAGCGCGGGGGACTGGCA CGGACGACAGCCGCGCGGGAA 445
QY 730 CTGGGGCTGTCTGGACACAGATGGCGGCTCTGCGCTGGGTGCGAGAGAAACATCGCAGCTT 789
Db 446 CTGGGGCTGTCTGGACACAGATGGCGGCTCTGCGCTGGGTGCGAGAGAAACATCGCAGCTT 505
QY 790 CGGGGAGACCCAGGAAATGTGACCCCTGTTGGCGCAGTCGGCGGGGCCATAGAGCATCTC 849
Db 506 CGGGGAGACCCAGGAAATGTGACCCCTGTTGGCGCAGTCGGCGGGGCCATAGAGCATCTC 565
QY 850 AGGACTGTATGTACCTACCCCTAGCCTCGGCTCTTCCATCGGGGCCATTTCCAGAGTGG 909
Db 566 AGGACTGTATGTACCTACCCCTAGCCTCGGCTCTTCCATCGGGGCCATTTCCAGAGTGG 625
QY 910 CACCGCTTATTCAGACTTTTTCATCACTAGTAAACCCACTGAAAGTGGCCAAAGGTTGC 969
Db 626 CACCGCTTATTCAGACTTTTTCATCACTAGTAAACCCACTGAAAGTGGCCAAAGGTTGC 685
QY 970 CACCTGGCTGGATGCAACCAACAGACACAGATCTCTGGTAAACTGCTCTGAGGGCACT 1029
Db 686 CCACTGGCTGGATGCAACCAACAGACACAGATCTCTGGTAAACTGCTCTGAGGGCACT 745
QY 1030 ATCAGGGACCAAGGTGATGGTGTGTCCAAACAGATGAGATTCTCCAACTGAACCTTCCA 1089
Db 746 ATCAGGGACCAAGGTGATGGTGTGTCCAAACAGATGAGATTCTCCAACTGAACCTTCCA 805
QY 1090 GAGAGACCCGGAAGATTTATCTGGTCCATGAGCCCTGTGGTGGATGGTGTGGTATCCC 1149
Db 806 GAGAGACCCGGAAGATTTATCTGGTCCATGAGCCCTGTGGTGGATGGTGTGGTATCCC 865
QY 1150 AGATGACCCCTTTGGTCTCTCTGACCCAGGGGAAGTTTCATCTGTGCCCTTCTTAGG 1209
Db 866 AGATGACCCCTTTGGTCTCTCTGACCCAGGGGAAGTTTCATCTGTGCCCTTCTTAGG 925
QY 1210 TGTCAACAACTGGAAATTCATTTGGCTCTTGCCTTATATCATGAACTTCCCGTAAACCG 1269
Db 926 TGTCAACAACTGGAAATTCATTTGGCTCTTGCCTTATATCATGAACTTCCCGTAAACCG 985
QY 1270 GCAGGGGATGAGAAAGAAACCATCACTAAGATGTCTGGAGTACCGGACCCCTGTTGAA 1329
Db 986 GCAGGGGATGAGAAAGAAACCATCACTAAGATGTCTCTGGAGTACCGGACCCCTGTTGAA 1045
QY 1330 TATCACCAAGGAGAGGTACCACTTGTGGTGGAGGTACCTGGACAATGTCAATGAGCA 1389
Db 1046 TATCACCAAGGAGAGGTACCACTTGTGGTGGAGGTACCTGGACAATGTCAATGAGCA 1105
QY 1390 TGACTGGAAGATGCTACGAAAACCGTATGATGGACATAGTTCAAGATGCCACTTTCGTGTA 1449
Db 1106 TGACTGGAAGATGCTACGAAAACCGTATGATGGACATAGTTCAAGATGCCACTTTCGTGTA 1165
QY 1450 TGCCACACTGCAGACTGCTCACTTACCACCGAGATGCCGCCCTCCCTGTCTACCTGTATGA 1509
Db 1166 TGCCACACTGCAGACTGCTCACTTACCACCGAGATGCCGCCCTCCCTGTCTACCTGTATGA 1225
QY 1510 ATTTCAGACCAACGCTCGTGGAAATATCGTCAAAACCCCGCACTGTATGGGCGACACATGG 1569
Db 1226 ATTTCAGACCAACGCTCGTGGAAATATCGTCAAAACCCCGCACTGTATGGGCGACACATGG 1285
QY 1570 GATGATGATGATCTTCTCTTTGGGGGCCCTTTCGCAACAGGCTTTTCCATGGGTGAAGA 1629
Db 1286 GATGATGATGATCTTCTCTTTGGGGGCCCTTTCGCAACAGGCTTTTCCATGGGTGAAGA 1345
QY 1630 GAAGGCACTTACGCTCCAGATGATGAAATCTGGGCGCACTTTGCCCGCACAGGAACCC 1689
Db 1346 GAAGGCACTTACGCTCCAGATGATGAAATCTGGGCGCACTTTGCCCGCACAGGAACCC 1405
QY 1690 CAATGATGGAATCTGCGCTCTGTCGCAACGCTACAAACAGGATGAAAGTACCTCGAGCT 1749
Db 1406 CAATGATGGAATCTGCGCTCTGTCGCAACGCTACAAACAGGATGAAAGTACCTCGAGCT 1465
QY 1750 GGAATTTTACCAAGAGTGGGCAATGAAGCTCAAGGAGAAAGATGGCTTTTGGATGAG 1809
Db 1466 GGAATTTTACCAAGAGTGGGCAATGAAGCTCAAGGAGAAAGATGGCTTTTGGATGAG 1525

QY 1810 TCTGTACCACTCTCAAGACCTGAGACGAGGCAATCTTAAGGGTGGCTATGCAGAA 1869
Db 1526 TCTGTACCACTCTCAAGACCTGAGACGAGGCAATCTTAAGGGTGGCTATGCAGAA 1585
QY 1870 GGAGCCAAAGAGGGGTTTGCCCCCACCATCCAGGCCCTCGGGGAGACTAGCCCATGGACATA 1929
Db 1586 GGAGCCAAAGAGGGGTTTGCCCCCACCATCCAGGCCCTCGGGGAGACTAGCCCATGGACATA 1645
QY 1930 CTTGGGGACAAGAGTTCTACCCA 1952
Db 1646 CTTGGGGACAAGAGTTCTACCCA 1668

RESULT 5

US-09-978-295A-253
; Sequence 253, Application US/09978295A
; Patent No. US20020156006A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
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; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C11
; CURRENT APPLICATION NUMBER: US/09/978,295A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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;; PRIOR APPLICATION NUMBER: 60/085573
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;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 51.1%; Score 1013; DB 9; Length 2456;
Best Local Similarity 78.2%; Pred. No. 3.7e-296;

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DB 508 CTTCTAGGTATCTCAGGTTTGCACCTCCAGAACCCCGAGCCCTTGGAAAGAAATCAGA 567
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QY 584 CCGGAGGCGCTTCACTCGTGGGCGCTCTTCTGACGAGGCTCTGACTTGGCGCGCC 643
DB 868 CCGGAGGCGCTTCACTCGTGGGCGCTCTTCTGACGAGGCTCTGACTTGGCGCGCC 927
QY 644 CCGGAGGAGT 703
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QY 704 ACGGACGACAGCAACCGCGCGCGGAACTGGGGGCTGTGTGTGTGTGTGTGTGTGTGTGT 763
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DB 1048 TGGGTGACGAGAAACATCGCAGCTTTCGGGGGAGACCCAGGAAATGTGACCTTGTTCGGC 1107
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1627 ATAGTTCAAGATGCCACTTTCGTGTATGCCACTGCAGACTGCTCACTACCACCGA--- 1683
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RESULT 6

US-09-978-697-253

Sequence 253, Application US/09978697

Patent No. US20020169284A1

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PRIOR FILING DATE: 1998-03-31	PRIOR APPLICATION NUMBER: 60/080327
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Query Match 51.1%; Score 1013; DB 9; Length 2456;
Best Local Similarity 78.2%; Pred. No. 3,7e-296;

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448	Db	CAGATGATGTGGGGAGACACCCATCAAGTCTTTTATAGGAGTCCCTTCTCCAGACCT	507
344	Qy	CCTCTAGGTATCCTCAGGTTTGGACCTCCAGAACCCCGGAGCCCTGGAAAGGAATCAGA	403
508	Db	CCTCTAGGTATCCTCAGGTTTGGACCTCCAGAACCCCGGAGCCCTGGAAAGGAATCAGA	567
404	Qy	GATGCTACCACTACCCGCTTG-----	425
568	Db	GATGCTACCACTACCCGCTTGAGTCTGCTCTGTGCGCAGGCTGAGTGCAGTG	627
426	Qy	-----	425
628	Db	GCACGATCTCGGCTCACTGCACCTCCGCTCCCGGTTCAACGCGAGTCTCTCGCTCAG	687
426	Qy	-----GGTGCTTCAGAGTCTCTGGGGCCAGCTGGCCTCGATG	463
688	Db	CCTCTGAGTGTCTGGGGCTACAGGTGCTTCAGGAGTCTCTGGGGCCAGCTGGCCTCGATG	747
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Db	1684	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1724	
Qy	1724	AA	CAAG	GAT	CA	AA	GT	AC	CT	GC	AG	CT	GG	AT	TT	T	T	T	T	CA	1783	
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Db	1785	G	A	G	A	G	A	G	A	T	G	G	T	T	T	T	T	T	T	T	G	1844
Qy	1844	CA	AT	CT	CA	AG	GT	GC	GT	AT	CA	GA	AG	GG	GT	TT	GC	CC	CC	CA	1903	
Db	1845	CA	AT	CT	CA	AG	GT	GC	GT	AT	CA	GA	AG	GG	GT	TT	GC	CC	CC	CA	1904	
Qy	1904	CC	CT	GG	G	G	A	G	A	CT	AG	CA	T	G	CA	T	A	CT	GG	G	A	1952
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DEPT. T 7

US-09-978-192A-253
; Sequence 253, Application US/09978192A
; Patent No. US20020177553A1

1	GENERAL INFORMATION:	
2	APPLICANT: ASHkenazi, Avi	
3	APPLICANT: Baker Kevin P.	
4	APPLICANT: Botstein, David	
5	APPLICANT: Desnoyers, Luc	
6	APPLICANT: Eaton, Dan	
7	APPLICANT: Ferrara, Napoleon	
8	APPLICANT: Flivaroff, Ellen	
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27	APPLICANT: Williams, P. Mickey	
28	APPLICANT: Wood, William I.	
29	TITLE OF INVENTION: Secreted and Treated	
30	TITLE OF INVENTION: Acids Encoding	
31	FILE REFERENCE: P2630PIC9	
32	CURRENT APPLICATION NUMBER: US/09/97	
33	CURRENT FILING DATE: 2001-10-15	
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42	PRIOR APPLICATION NUMBER: 60/066364	
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47	PRIOR FILING DATE: 1998-03-11	
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Qy		
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928	CGGAGAAAGTGTGTGCTGTGTTCTGACAGCAGGCTCGGCATCTTCGGCTTCTCTGAGC	987
Qy		
Db		
704	ACGGACGACAGCCACGCGCGCGGGAACTCGGGGCTGTGGACCAAGATGGCGCTCTGCGC	763
Qy		
Db		
988	ACGGACGACAGCCACGCGCGCGGGAACTCGGGGCTGTGGACCAAGATGGCGCTCTGCGC	1047
Qy		
Db		
764	TGGGTGAGAGAACTATCGGAGCCTTCGGGGAGACCCAGGAAATGTCACCTGTTCGGC	823
Qy		
Db		
1048	TGGGTGAGAGAACTATCGGAGCCTTCGGGGAGACCCAGGAAATGTCACCTGTTCGGC	1107
Qy		
Db		
824	CAGTCGCGGGGCGCATAGCATCTCAGGACTGATGATGTACCCCTAGCCTCGGGTCTC	883
Qy		
Db		
1108	CAGTCGCGGGGCGCATAGCATCTCAGGACTGATGATGTACCCCTAGCCTCGGGTCTC	1167
Qy		
Db		
884	TTCCATCGGCGCAATTTCCAGAGTGGGACCGCGTTATTTCAGACTTTTTCATCACTAGTAAC	943
Qy		
Db		
1168	TTCCATCGGCGCAATTTCCAGAGTGGGACCGCGTTATTTCAGACTTTTTCATCACTAGTAAC	1227
Qy		
Db		
944	CCACTGAAAGTGGCCCAAGAGGTTCGCCCTCGCTGGATGCAACCAACAGCACACAG	1003
Qy		
Db		
1228	CCACTGAAAGTGGCCCAAGAGGTTCGCCCTCGCTGGATGCAACCAACAGCACACAG	1287
Qy		
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1004	ATCCTGGTAAACTGCTTGAGGGCACTATCAGGACCAAGGTGATGGTGTGCCAACAG	1063
Qy		
Db		
1288	ATCCTGGTAAACTGCTTGAGGGCACTATCAGGACCAAGGTGATGGTGTGCCAACAG	1347
Qy		
Db		
1064	ATGAGATTCTCCTCAACTGAACTTCCAGAGAGACCCCGAGAGATTAATCTGGCTAGGC	1123
Qy		
Db		
1348	ATGAGATTCTCCTCAACTGAACTTCCAGAGAGACCCCGAGAGATTAATCTGGCTAGGC	1407
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1124	CCTGTGGTGGATGGTGTGGTGATCCACAGATGACCTTTGGTGTCTCTGACCCAGGGGAAG	1183
Qy		
Db		
1408	CCTGTGGTGGATGGTGTGGTGATCCACAGATGACCTTTGGTGTCTCTGACCCAGGGGAAG	1467
Qy		
Db		
1184	GTTTCATCTGTGCCCTACCTCTTAGTGTGTCACCACTGGAAATCAATTTGGCTCTTGCCT	1243
Qy		
Db		
1468	GTTTCATCTGTGCCCTACCTCTTAGTGTGTCACCACTGGAAATCAATTTGGCTCTTGCCT	1527
Qy		
Db		
1244	TATATCATGAAGTTCCCGCTAAACCGCGAGCGCATGAGAAAGGAACCATCACTAAGATG	1303
Qy		
Db		
1528	TAT-----	1530
Qy		
Db		
1304	CTCTGGAGTACCGGACCCCTGTTGAATATACCAAGGACGAGGTACCACTTGTGGTGGAG	1363
Qy		
Db		
1531	-----AATATACCAAGGACGAGGTACCACTTGTGGTGGAG	1566
Qy		
Db		
1364	GAGTACCTGGACATGTCAATGACATGACTGGAAGATGCTACGAAACCGTATGATGGAC	1423
Qy		
Db		
1567	GAGTACCTGGACATGTCAATGACATGACTGGAAGATGCTACGAAACCGTATGATGGAC	1626
Qy		
Db		
1424	ATAGTTCAAGATGCCACTTTCTGTATGCCACATGACAGACTGTCTACTACACCGAGAT	1483
Qy		
Db		
1627	ATAGTTCAAGATGCCACTTTCTGTATGCCACATGACAGACTGTCTACTACACCGA---	1683
Qy		
Db		
1484	GCGGCGCTCCCTGTCTACTGTATGAATTTGAGCACCGCTCGTGGAAATAATCGTCAAA	1543
Qy		
Db		
1684	-----	1683
Qy		
Db		
1544	CCCCGCATGATGGGCGACACCATGGGATGAGATGTACTTCTCTTTGGGGGCCCCCTTC	1603
Qy		
Db		
1684	-----	1683
Qy		
Db		
1604	GCACAGGCGCTTTCATGGGTAAGAGAGGCACTTAGCTCCAGATCATGAATACTGG	1663
Qy		
Db		
1684	-----	1683
Qy		
Db		

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6	PRIOR FILING DATE: 1998-04-22
7	PRIOR APPLICATION NUMBER: 60/082700
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9	PRIOR APPLICATION NUMBER: 60/082797
10	PRIOR FILING DATE: 1998-04-22
11	PRIOR APPLICATION NUMBER: 60/082796
12	PRIOR FILING DATE: 1998-04-23
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14	PRIOR FILING DATE: 1998-04-27
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16	PRIOR FILING DATE: 1998-04-28
17	PRIOR APPLICATION NUMBER: 60/083392
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36	PRIOR FILING DATE: 1998-04-30
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41	PRIOR APPLICATION NUMBER: 60/084441
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47	PRIOR APPLICATION NUMBER: 60/084600
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49	PRIOR APPLICATION NUMBER: 60/084627
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70	PRIOR FILING DATE: 1998-05-15

;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 51.1%; Score 1013; DB 9; Length 2456;
Best Local Similarity 78.2%; Pred. No. 3.7e-296;
Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;

QY	224	GGTGCCTTCACACCAAGAGGCTCAAGTGTCCACCAATATGGAACCTCGCAAGAAA	283
DB	388	GGTGCCTTCACACCAAGAGGCTCAAGTGTCCACCAATATGGAACCTCGCAAGAAA	447
QY	284	CAGATCATGTGGGGAAGACACCCATCCAAAGTCTTTTAGGAGTCCCTTCTCCAGACT	343
DB	448	CAGATCATGTGGGGAAGACACCCATCCAAAGTCTTTTAGGAGTCCCTTCTCCAGACT	507
QY	344	CCTCTAGGTATCCTCAGGTTTGACCTCCAGAACCCCGAGCCCTGGAAAGAAATCAGA	403
DB	508	CCTCTAGGTATCCTCAGGTTTGACCTCCAGAACCCCGAGCCCTGGAAAGAAATCAGA	567
QY	404	GATGCTACCACTACCGGCTG-----	425
DB	568	GATGCTACCACTACCGGCTGAGAGTCTGCTCTGTCCAGGCTGGAGTGCAATG	627
QY	426	-----	425
DB	628	GCAGATCTCGGCTCACTGCACCTCCGCTCCGGGTTCAAGCGAGTCTCTGCTCAG	687
QY	426	-----GGTGCCTGCAGAGTCTCTGGGCGCAGCTGGGCTCGATG	463
DB	688	CCTCTAGGTATCCTCAGGTTTGACCTCCAGAACCCCGAGCCCTGGAAAGAAATCAGA	747
QY	464	TAGCTCAGCAGCGGGAACGGTACAGTGGCTGGCTTTCAGCGAGACTGTCTGTACCTG	523
DB	748	TAGCTCAGCAGCGGGAACGGTACAGTGGCTGGCTTTCAGCGAGACTGTCTGTACCTG	807
QY	524	AAGCTGTACG	583
DB	808	AAGCTGTACG	867
QY	584	CGGGAGGCGCTTCATCTGTGGGCGCTGTCTTCGTACGAGGCTCTGACTTGGCGCGC	643
DB	868	CGGGAGGCGCTTCATCTGTGGGCGCTGTCTTCGTACGAGGCTCTGACTTGGCGCGC	927
QY	644	CGCGAAGAGT	703
DB	928	CGCGAAGAGT	987
QY	704	ACGGAACGACAGCG	763
DB	988	ACGGAACGACAGCG	1047
QY	764	TGGGTGCAGGAGAACATCGCAGCTTTCGGGGAGACCCAGGAAATGTGACCTGTTCGGC	823
DB	1048	TGGGTGCAGGAGAACATCGCAGCTTTCGGGGAGACCCAGGAAATGTGACCTGTTCGGC	1107
QY	824	CAGTGGCGGGGCGCATGAGCATCTCAGACTGATGTACCTCAGCTGGCTCGGCTCTC	883
DB	1108	CAGTGGCGGGGCGCATGAGCATCTCAGACTGATGTACCTCAGCTGGCTCGGCTCTC	1167
QY	884	TTCCATCGGCGCATTTTCCAGAGTGGCACCGCGTATTTCAGACTTTTTCATCAGTAAAC	943
DB	1168	TTCCATCGGCGCATTTTCCAGAGTGGCACCGCGTATTTCAGACTTTTTCATCAGTAAAC	1227
QY	944	CCAAGAGTGGCCCAAGAGGTTGGCCACTCGGCTGGATGCAACCAACACACACACAG	1003
DB	1228	CCAAGAGTGGCCCAAGAGGTTGGCCACTCGGCTGGATGCAACCAACACACACACAG	1287
QY	1004	ATCCTGGTAACTGCCTGAGGCACTATCAGGACCAAGTGTGCTGTGCTCAACAG	1063
DB	1288	ATCCTGGTAACTGCCTGAGGCACTATCAGGACCAAGTGTGCTGTGCTCAACAG	1347

QY	1064	ATGAGATTCCTCAACTGAATTCCTCAGAGAGAGCCCGGAAGAGATTATCTGGTCCATGAGC	1123
DB	1348	ATGAGATTCCTCAACTGAATTCCTCAGAGAGAGCCCGGAAGAGATTATCTGGTCCATGAGC	1407
QY	1124	CCTGTGGTGGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	1183
DB	1408	CCTGTGGTGGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	1467
QY	1184	GTTCATCTGTGCTCCCTTACCTCTAGGTGTCAACAAACCTCGGAATTCATATTGGCTCTT	1243
DB	1468	GTTCATCTGTGCTCCCTTACCTCTAGGTGTCAACAAACCTCGGAATTCATATTGGCTCTT	1527
QY	1244	TATATCATGAAGTTCCTCCGCTAAACCGGAGGCGATGAGAAAGAAACCATCAATAGATG	1303
DB	1528	TAT-----	1530
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DB	1531	-----AATATCACAAAGGAGCAGGTACCACTTGTGGTGGAG	1566
QY	1364	GAGTACCTGGACAATGTCAATGAGCATGCTGGAAGATGCTACGAAACCGTATGATGGAC	1423
DB	1567	GAGTACCTGGACAATGTCAATGAGCATGCTGGAAGATGCTACGAAACCGTATGATGGAC	1626
QY	1424	ATAGTTCAAGATGCGCACTTTCTGTATGCGCACTGCGAGATGCTCAACCAACGAGAT	1483
DB	1627	ATAGTTCAAGATGCGCACTTTCTGTATGCGCACTGCGAGATGCTCAACCAACGAGAT	1683
QY	1484	GCGGCGCTCCCTGTCTACCTGTATGATTTGAGCACCACGCTCGTGGAAATATCGTCAA	1543
DB	1684	-----	1683
QY	1544	CCCCGCACTGATGGGCGCAGACCATGGGGATGAGATGATCTCTCTTTGGGGCCCCCTTC	1603
DB	1684	-----	1683
QY	1604	GCCACAGCGCTTTCCATGGTAAAGAGAGGACCTTAGCCTCCAGATGATGAATACTGG	1663
DB	1684	-----	1683
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QY	1724	AACAAGGATGAAAGTACCTGCGAGCTGGATTTTACCAAGAGTGGGCGATGAAGCTCAAG	1783
DB	1725	AACAAGGATGAAAGTACCTGCGAGCTGGATTTTACCAAGAGTGGGCGATGAAGCTCAAG	1784
QY	1784	GAGAAGAGATGCTTTTGGATGAGTCTGTACAGTCTCAAGACCTGAGAAGCAGAGG	1843
DB	1785	GAGAAGAGATGCTTTTGGATGAGTCTGTACAGTCTCAAGACCTGAGAAGCAGAGG	1844
QY	1844	CAATTTAAGGTGGCTATGCGAGGAGGAGCCAAAGAGGGTTTGGCCCCCACCATCCAGG	1903
DB	1845	CAATTTAAGGTGGCTATGCGAGGAGGAGCCAAAGAGGGTTTGGCCCCCACCATCCAGG	1904
QY	1904	CCTGGGGAGAGCTAGCCATGCGACATACCTTGGGCGACAAAGAGTCTTACCCA	1952
DB	1905	CCTGGGGAGAGCTAGCCATGCGACATACCTTGGGCGACAAAGAGTCTTACCCA	1953

RESULT 8
US-09-999-832A-253
; Sequence 253, Application US/09999832A
; Publication No. US20020192706A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C63
CURRENT APPLICATION NUMBER: US/09/999,832A
CURRENT FILING DATE: 2001-10-24
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
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 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085704
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085697
 ; PRIOR APPLICATION NUMBER: 60/085697

 Query Match 51.1%; Score 1013; DB 9; Length 2456;
 Best Local Similarity 78.2%; Pred. No. 3.7e-296;
 Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;

 Qy 224 GGTGCTTGCACACAGAGGCTCAAGTGGTGCACCAAAATATGAACCCCTGCAAGGAAA 283
 Db 388 GGTGCTTGCACACAGAGGCTCAAGTGGTGCACCAAAATATGAACCCCTGCAAGGAAA 447

 Qy 284 CAGATGATGTGGGGAAGACACCCATCCAAATCTTTTATAGAGTCCCTCTTCCAGACCT 343
 Db 448 CAGATGATGTGGGGAAGACACCCATCCAAATCTTTTATAGAGTCCCTCTTCCAGACCT 507

 Qy 344 CCTTAGATATCTCAGATTGACCTCCAGAACCCCGAGCCCTGGAAGGATCAGA 403
 Db 508 CCTTAGATATCTCAGATTGACCTCCAGAACCCCGAGCCCTGGAAGGATCAGA 567

 Qy 404 GATGCTACCACTACCGCCCTG----- 425
 Db 568 GATGCTACCACTACCGCCCTGGATGGAGTCTCGCTCTGTGCGCAGGCTGGAGTGCAGTG 627

 Qy 426 ----- 425
 Db 628 GCAGATCTGGCTCACTGCAACCTCCGCCCTCCCGGGTTCAAGCGAGTCTCCTGCCCTCAG 687

 Qy 426 ----- GGTGCTGCAAGGATCTGGGCCAGCTGGCCTCGATG 463
 Db 688 CCTCTGAGTGTGTGGGCTACAGGTGCTGAGGAGTCTGTGGGCGCAGCTGGCCTCGATG 747

Qy 464 TAGTTCAGCACGCGGGAACGGTACAAGTGGCTGGCGCTTACGAGGAGTGTCTGTACCTG 523
 Db 748 TAGTTCAGCACGCGGGAACGGTACAAGTGGCTGGCGCTTACGAGGAGTGTCTGTACCTG 807

 Qy 524 AACGTGTACG 583
 Db 808 AACGTGTACG 867

 Qy 584 CCGGAGGCGCGCTTCACTGTGGGCGCTGCTTCTGTCAGAGGCGCTGTGACTTTGGCCGCC 643
 Db 868 CCGGAGGCGCGCTTCACTGTGGGCGCTGCTTCTGTCAGAGGCGCTGTGACTTTGGCCGCC 927

 Qy 644 CGCGAGAAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 703
 Db 928 CGCGAGAAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 987

 Qy 704 ACGGACGACAGCACG 763
 Db 988 ACGGACGACAGCACG 1047

 Qy 764 TGGGTGCAGGAGAACATCGCAGCCCTTCGCGGGGAGACCCAGGAAATGTGACCTGTTCGCG 823
 Db 1048 TGGGTGCAGGAGAACATCGCAGCCCTTCGCGGGGAGACCCAGGAAATGTGACCTGTTCGCG 1107

 Qy 824 CAGTCCGGCGGGGCCCATGAGCATCTCAGGACTGATGTGTCACCCCTAGCCTCGGGTCTC 883
 Db 1108 CAGTCCGGCGGGGCCCATGAGCATCTCAGGACTGATGTGTCACCCCTAGCCTCGGGTCTC 1167

 Qy 884 TTCCATCGGGCCATTTCCAGAGTGGCACCGCGTTATTTCAGACTTTTTCATCACTAGTAAC 943
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 Qy 944 CCACTGAAAGTGGCCAAAGAGTTCGCCACCTGGTGGATGCAACCAACAGCACACAG 1003
 Db 1228 CCACTGAAAGTGGCCAAAGAGTTCGCCACCTGGTGGATGCAACCAACAGCACACAG 1287

 Qy 1004 ATCTGTGTAACCTGCTGAGGCACTATCAGGGAACAAGTGTGCTGCTGCTGCTGCTGCTGCT 1063
 Db 1288 ATCTGTGTAACCTGCTGAGGCACTATCAGGGAACAAGTGTGCTGCTGCTGCTGCTGCTGCT 1347

 Qy 1064 ATGAGATTCCTCCAACTGAACTTCAGAGAGACCCGGAAGAGATATCTGGTCCATGAGC 1123
 Db 1348 ATGAGATTCCTCCAACTGAACTTCAGAGAGACCCGGAAGAGATATCTGGTCCATGAGC 1407

 Qy 1124 CTTGTGTTGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1183
 Db 1408 CTTGTGTTGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1467

 Qy 1184 GTTTCACTGTGCGCTTACCTTCTAGGTGTCAACCACTGGAATTCATTTGGCTCTTGGCTT 1243
 Db 1468 GTTTCACTGTGCGCTTACCTTCTAGGTGTCAACCACTGGAATTCATTTGGCTCTTGGCTT 1527

 Qy 1244 TATATCATGAGTTCCCGCTAAACCGGCGGCGATGAGAAAGGAAACCATCACTAAGATG 1303
 Db 1528 TAT----- 1530

 Qy 1304 CTCTGGATACCGCACCTCTGTTGAATATCAACAAGAGACGATACACCTTGTGGTGGAG 1363
 Db 1531 -----AATATCACAAGAGACGATACACCTTGTGGTGGAG 1566

 Qy 1364 GAGTACTGGAACATGTCAATGAGCATGCTGGAAGATGCTACGAAACCGTATGATGGAC 1423
 Db 1567 GAGTACTGGAACATGTCAATGAGCATGCTGGAAGATGCTACGAAACCGTATGATGGAC 1626

 Qy 1424 ATAGTTCAAGATGCCACTTTCGTGTATGCCACTGTCAGACTGCTCACTACCAACCGAGAT 1483
 Db 1627 ATAGTTCAAGATGCCACTTTCGTGTATGCCACTGTCAGACTGCTCACTACCAACCGAGAT 1683

 Qy 1484 GCCGGCCTCCTGTGTACCTGTATGAATTTGAGCAACAAGCTGCTGGAATAATCGTCAA 1543
 Db 1684 ----- 1683

 Qy 1544 CCGCGCACTGATGGGGCAGACCATGGGATGAGATGTACTTCTCTTTTGGGGGCCCCCTTC 1603

Db 1684 ----- 1683
QY 1604 GCCACAGGCCTTTTCATGGGTAAAGGAGAGGCACCTTAGCCTCCAGATGATGAATACTGG 1663
Db 1684 ----- 1683
QY 1664 GCCACTTTCGCCGCACAGGAACCCCAATGATGGGAATCTGCCCTGCTGGCAGCAGCTAC 1723
Db 1684 ----- -GAAACCCCAATGATGGGAATCTGCCCTGCTGGCAGCAGCTAC 1724
QY 1724 AACAGAGTCAAAAGTACCTGCAGCTGATTTTACCAAGAGTGGSCATGAAGCTCAAG 1783
Db 1725 AACAGAGTCAAAAGTACCTGCAGCTGATTTTACCAAGAGTGGSCATGAAGCTCAAG 1784
QY 1784 GAGAAGAAGATGCTTTTGGATGAGTCTGTACCAAGTCTCAAGACCTCGAAGAGCAGAGG 1843
Db 1785 GAGAAGAAGATGCTTTTGGATGAGTCTGTACCAAGTCTCAAGACCTCGAAGAGCAGAGG 1844
QY 1844 CAATTCATAGGGTGGCTATGCAGAGAGGAGCCAAAGAGGGGTTTGGCCCCCACCATCCAGG 1903
Db 1845 CAATTCATAGGGTGGCTATGCAGAGAGGAGCCAAAGAGGGGTTTGGCCCCCACCATCCAGG 1904
QY 1904 CCTGGGGAGACTAGCATGACATACCTGGGACAGAGTCTTACCCA 1952
Db 1905 CCTGGGGAGACTAGCATGACATACCTGGGACAGAGTCTTACCCA 1953

RESULT 9
US-09-978-189-253
; Sequence 253, Application US/09978189
; Publication No. US20030004102A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C7
; CURRENT APPLICATION NUMBER: US/09/978,189
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918595
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
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; PRIOR FILING DATE: 1998-03-13
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079856
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079689
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; PRIOR FILING DATE: 1998-03-27
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; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
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; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
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; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819

[illegible]

Db 1228 CCCTGAAAGTGGCAGAAAGGTTGCCACCTGGCTGGATGCAACCAACAGACACAG 1287
QY 1004 ATCTGTGTAACCTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1063
Db 1288 ATCTGTGTAACCTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1347
QY 1064 ATGAGATTCCTCAACTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1123
Db 1348 ATGAGATTCCTCAACTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1407
QY 1124 CCTGTGTGATGCTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1183
Db 1408 CCTGTGTGATGCTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1467
QY 1184 GTTTCATCTGCTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1243
Db 1468 GTTTCATCTGCTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1527
QY 1244 TATATCATGAAGTTCCTGCTGAGGCACTATCAGGACCAAGTGTGCTGCTCAACAG 1303
Db 1528 TAT----- 1530
QY 1304 CTCTGGAGTACCGCAGCCTGTTGAATATCACCAGGAGCAGTACCACTGCTGGAG 1363
Db 1531 -----AATATCACCAGGAGCAGTACCACTGCTGGAG 1566
QY 1364 GAGTACCTGCAATGTCAATGAGCATGCTGGAAGATGCTACCAACCTGATGAGGAC 1423
Db 1567 GAGTACCTGCAATGTCAATGAGCATGCTGGAAGATGCTACCAACCTGATGAGGAC 1526
QY 1424 ATAGTTCAGATGCCACTTTGCTGATGCTGCACTGAGCATGCTCACTACCAACGAGAT 1483
Db 1627 ATAGTTCAGATGCCACTTTGCTGATGCTGCACTGAGCATGCTCACTACCAACGAG 1683
QY 1484 GCGGGCTCCTGCTACCTGTATGATTTGAGCAGCAGCAGCTGCTGGAATATCGTCAA 1543
Db 1684 ----- 1683
QY 1544 CCGGCACTGATGGGGCAGACCATGGGAGTATGATGATGCTTCTTTGGGGCCCTTC 1603
Db 1684 ----- 1683
QY 1604 GCCACAGGCTTTCCATGGGTAGGAGAGGCACTTAGCCTCCAGATGATGAATACTGG 1663
Db 1684 ----- 1683
QY 1664 GCCAATTTGCCGACAGGAAACCCCAATGATGGGAATCTGCTGCTGGCCACGCTAC 1723
Db 1684 -----GAAACCCCAATGATGGGAATCTGCTGCTGGCCACGCTAC 1724
QY 1724 AACAGGATGAAAGTACCTGCACTGCTGATTTTACCAAGAGTGGGCACTGAAGCTCAAG 1783
Db 1725 AACAGGATGAAAGTACCTGCACTGCTGATTTTACCAAGAGTGGGCACTGAAGCTCAAG 1784
QY 1784 GAGAAGAAGTGGCTTTTGGATGAGTCTGTACAGTCTCAAGAGCTGAGAGCAGAGG 1843
Db 1785 GAGAAGAAGTGGCTTTTGGATGAGTCTGTACAGTCTCAAGAGCTGAGAGCAGAGG 1844
QY 1844 CAATTCAGGGTGGCTATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1903
Db 1845 CAATTCAGGGTGGCTATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1904
QY 1904 CCTGGGGAGCTAGCAGTGGATACCTGGGGGAGAGGAGTCTTACCCA 1952
Db 1905 CCCTGGGGAGCTAGCAGTGGATACCTGGGGGAGAGGAGTCTTACCCA 1953

RESULT 10
US-09-978-608A-253
; Sequence 253, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Flvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 253
; LENGTH: 2456
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-978-608A-253

Query Match 51.1%; Score 1013; DB 10; Length 2456;
Best Local Similarity 78.2%; Pred. No. 3.7e-296;
Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;

QY 224 GGTGCTTCACACCAAGAGGCTCAAGTGGTCAACCAATATGGAACCTTCGCAAGGAAA 283
Db 388 GGTGCTTCACACCAAGAGGCTCAAGTGGTCAACCAATATGGAACCTTCGCAAGGAAA 447
QY 284 CAGATCATGTGGGGAAGACACCCATCCAAAGTCTTTTATGAGGATCCCTTCTCCAGACCT 343
Db 448 CAGATCATGTGGGGAAGACACCCATCCAAAGTCTTTTATGAGGATCCCTTCTCCAGACCT 507
QY 344 CCTCTAGGTATCTCAGGTTGCACTCCAGAACCCCGAGCCCTGGGAAGGAATCAGA 403
Db 508 CCTCTAGGTATCTCAGGTTGCACTCCAGAACCCCGAGCCCTGGGAAGGAATCAGA 567
QY 404 GATGCTTACCACTTACCCGCTG----- 425
Db 568 GATGCTTACCACTTACCCGCTGAGTCTCGCTCTGTGCGCAGGCTGAGTGCAGTG 627
QY 426 ----- 425
Db 628 GCACGATCTCGGCTCACTGCAACCTCCGCTCCCGGGTTCAAGCGAGTCTCTCGCTCAG 687
QY 426 -----GGTGGCTGCAAGGAGTCTGGGGCCAGCTGGGCTCGATG 463
Db 688 CCTCTAGGTCTGCGGGCTACAGGTTGCTGAGGAGTCTCTGGGGCCAGCTGGGCTCGATG 747
QY 464 TACGTGAGCAGCGGGGAACGGTACAGTGGCTGCGCTTCAGCGAGGACTGTCTGTACCTG 523
Db 748 TACGTGAGCAGCGGGGAACGGTACAGTGGCTGCGCTTCAGCGAGGACTGTCTGTACCTG 807
QY 524 AACGTGTACG 583

Db 388 GGTGCTTGCACACCAAGAGGCTCAAGTGGTCACCAATATGAAACCCCTGCAAGGAAA 447
QY 284 CAGATCATGTGGGGAAGACACCATCCAAAGTCTTTTAGGAGTCCCTTCTCCAGACCT 343
Db 448 CAGATCATGTGGGGAAGACACCATCCAAAGTCTTTTAGGAGTCCCTTCTCCAGACCT 507
QY 344 CTTCTAGGTATCTCAGGTTTGCACCTCCAGAAACCCCGAGAGCCCTGGAAGAAATCAGA 403
Db 508 CTTCTAGGTATCTCAGGTTTGCACCTCCAGAAACCCCGAGAGCCCTGGAAGAAATCAGA 567
QY 404 GATGCTTACCACCTTACCGGCTG----- 425
Db 568 GATGCTTACCACCTTACCGGCTGATGAGAGTCTCGCTCTGTGCGCAGGCTGAGTGAGTG 627
QY 426 ----- 425
Db 628 GCAGATCTCGGCTCACTGCAACCTCGGCTCCGGGGTTCAAGCGAGTCTCTGCGCTCAG 687
QY 426 -----GGTGCCTGCAAGAGTCTCTGGGGCCAGCTGGGCTTCGATG 463
Db 688 CTTCTAGTGTCTGGGGCTACAGGTGCTGCAAGAGTCTCTGGGGCCAGCTGGGCTTCGATG 747
QY 464 TAGCTCAGCAGCGGGAACGGTACAAGTGGCTGGCTTCAGCGAGAGTGTCTGTACCTG 523
Db 748 TAGCTCAGCAGCGGGAACGGTACAAGTGGCTGGCTTCAGCGAGAGTGTCTGTACCTG 807
QY 524 AACGTGTAGCG 583
Db 808 AACGTGTAGCG 867
QY 584 CCGGAGGCGCTTCAATCGTGGCGCTGCTTCTGTCAGAGGCTCTGACTTGGCGCGC 643
Db 868 CCGGAGGCGCTTCAATCGTGGCGCTGCTTCTGTCAGAGGCTCTGACTTGGCGCGC 927
QY 644 CCGGAGAAAGTGTGTGTTCTGCAAGCAGAGCTCGGCTCGGCTTCTGAGC 703
Db 928 CCGGAGAAAGTGTGTGTTCTGCAAGCAGAGCTCGGCTCTGAGC 987
QY 704 ACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 763
Db 988 ACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1047
QY 764 TGGGTGAGGAGAACTCGAGCTTTGGGGGAGACCCAGGAAATGTGACCTTGTTCGGC 823
Db 1048 TGGGTGAGGAGAACTCGAGCTTTGGGGGAGACCCAGGAAATGTGACCTTGTTCGGC 1107
QY 824 CAGTGGCGGGGCCATGAGCATCTCAGGACTGATGTACCCCTAGCCTCGGCTC 883
Db 1108 CAGTGGCGGGGCCATGAGCATCTCAGGACTGATGTACCCCTAGCCTCGGCTC 1167
QY 884 TTCCATCGGGCCATTTCCAGAGTGGCACCGGCTTATTCAGACTTTTTCATCTAGTAAC 943
Db 1168 TTCCATCGGGCCATTTCCAGAGTGGCACCGGCTTATTCAGACTTTTTCATCTAGTAAC 1227
QY 944 CCACTGAAAGTGGCCAAAGAGTGTGCGACCTGGCTGGATGCAACCAACAGCAGACACAG 1003
Db 1228 CCACTGAAAGTGGCCAAAGAGTGTGCGACCTGGCTGGATGCAACCAACAGCAGACACAG 1287
QY 1004 ATCTGGTAAACTGCTGAGGAGCACTATCAGGAGCAAGGTGATGCTGTGTCACAAAG 1063
Db 1288 ATCTGGTAAACTGCTGAGGAGCACTATCAGGAGCAAGGTGATGCTGTGTCACAAAG 1347
QY 1064 ATGAGATTCCTCAACTGAACTTCCAGAGAGACCCCGGAAGAGATTAATCTGTCATGAGC 1123
Db 1348 ATGAGATTCCTCAACTGAACTTCCAGAGAGACCCCGGAAGAGATTAATCTGTCATGAGC 1407
QY 1124 CTTGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1183
Db 1408 CTTGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1467
QY 1184 GTTTCATCTGTGCGCTTACCTTCTAGGTGTCAACCACTCGAAATTCATTTGGCTTTCCT 1243

Db 1468 GTTTCATCTGTGCGCTTACCTTCTAGGTGTCAACCACTCGAAATTCATTTGGCTTTCCT 1527
QY 1244 TATATCATGAAGTTCCGCTAAACCGGAGGCGATGAGAAAGGAAACCATCACTAAGATG 1303
Db 1528 TAT----- 1530
QY 1304 CTTCTGGAGTACCGGCAACCCCTGTTGAATATCAACAGGAGGAGTACACTTGTGTGGAG 1363
Db 1531 -----AATATCACAAGGAGCAGGTACCACTTGTGTGGAG 1566
QY 1364 GAGTACCTGCAAACTGCTCAATGAGCATGACTGGAAGATGCTACGAAACCGTATGATGGAC 1423
Db 1567 GAGTACCTGCAAACTGCTCAATGAGCATGACTGGAAGATGCTACGAAACCGTATGATGGAC 1526
QY 1424 ATAGTTCAAGATGCCACTTTTCGTGTATGCCACACTGCAGACTGCTCACTACCAACGAGAT 1483
Db 1627 ATAGTTCAAGATGCCACTTTTCGTGTATGCCACACTGCAGACTGCTCACTACCAACGAG 1683
QY 1484 GCGGCGCTCCCTGTCTACCTGTATGAATTTGAGCACCAAGCTGCTGCTGGAATTAATCGTCAAA 1543
Db 1684 ----- 1683
QY 1544 CCGCGCACTGATGGGCGACACCATGGGATGAGATGTACTTCTCTTTGGGGGCCCTTC 1603
Db 1684 ----- 1683
QY 1604 GCCACAGGCTTTTCCATGGGTAAAGAGAGGACACTTAGCCTCCAGATGATGAATACTGG 1663
Db 1684 ----- 1683
QY 1664 GCCAATTTGCCGCAACAGAAACCCCAATGATGGAATCTGCTGCTGGCCACGCTAC 1723
Db 1684 -----GAAACCCCAATGATGGAATCTGCTGCTGGCCACGCTAC 1724
QY 1724 AACAGGATGAAAGTACTGCTGAGCTGGATTTTACCAAGAGTGGCATGAGCTCAAG 1783
Db 1725 AACAGGATGAAAGTACTGCTGAGCTGGATTTTACCAAGAGTGGCATGAGCTCAAG 1784
QY 1784 GAGAAGATGGCTTTTGGATGAGTCTGTACCACTCTCAAAGACTGAGAAGCAGAGG 1843
Db 1785 GAGAAGATGGCTTTTGGATGAGTCTGTACCACTCTCAAAGACTGAGAAGCAGAGG 1844
QY 1844 CAATTTAAGGTGGCTATGCAAGGAGGAGCAAGAGGGGTTTGGCCCCCACCATCCAGG 1903
Db 1845 CAATTTAAGGTGGCTATGCAAGGAGGAGCAAGAGGGGTTTGGCCCCCACCATCCAGG 1904
QY 1904 CCTGGGAGACTAGCCATGGACATACCTGGGGACAAGAGTTCTACCCA 1952
Db 1905 CCTGGGAGACTAGCCATGGACATACCTGGGGACAAGAGTTCTACCCA 1953

RESULT 12

US-09-978-191A-253
; Sequence 253, Application US/09978191A
; Publication NO. US2003005239A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.

APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC4
CURRENT APPLICATION NUMBER: US/09/978,191A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
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PRIOR FILING DATE: 1998-03-12
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PRIOR APPLICATION NUMBER: 60/079920
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PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
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PRIOR FILING DATE: 1998-03-31
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PRIOR FILING DATE: 1998-03-31
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PRIOR APPLICATION NUMBER: 60/080334
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PRIOR FILING DATE: 1998-04-27
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PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637

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RESULT 13
US-09-978-403A-253
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; Publication No. US20030050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C17
; CURRENT APPLICATION NUMBER: US/09/978,403A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
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; PRIOR APPLICATION NUMBER: 60/085697
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Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;

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DB 448 CAGATGTCATGTGGGAAGACACCCATCCAAAGTCTTTTAGGAGTCCCTTCTCCAGACCT 507
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DB 508 CCTCTAGGTATCCTCAGGTTTGCACCTCCAGAACCCCGAGGCCCTTGGAAAGAAATCAGA 567
QY 404 GATGTACACCTACCCGCTG----- 425
DB 568 GATGTACACCTACCCGCTGAGTGTCTGCTCTGTCGCCAGGCTGGAGTGCAGTG 627
QY 426 ----- 425
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QY 426 -----GGTGCCTGCGAGGATCTCTGGGGCCAGCTGGGCTCGATG 463
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RESULT 14

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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
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APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C25
; CURRENT APPLICATION NUMBER: US/09/978,564A
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
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;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 51.1%; Score 1013; DB 10; Length 2456;
Best Local Similarity 78.2%; Pred. No. 3.7e-296;
Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;

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QY 284 CAGATCATGTGGGGAAGACACCCATCCAAAGTCTTTTATAGGAGTCCCTTCTCCAGACCT 343
Db 448 CAGATCATGTGGGGAAGACACCCATCCAAAGTCTTTTATAGGAGTCCCTTCTCCAGACCT 507
QY 344 CTTCTAGGTATCTCAGGTTTGACCTCCAGAACCCCGAGCCCTGGAAGGAATCAGA 403
Db 508 CTTCTAGGTATCTCAGGTTTGACCTCCAGAACCCCGAGCCCTGGAAGGAATCAGA 567
QY 404 GATGCTACCACTTACCCGCTG----- 425
Db 568 GATGCTACCACTTACCCGCTGGAATGGAATGCTCTGCTCTGTCGACGCTGGAATGCAATG 627
QY 426 ----- 425
Db 628 GCACGATCTGGGTCTACTGCAACCTCGGCTCCGGGTTCAAGGAGTCTCTGCTCCTCAG 687
QY 426 -----GGTCCCTGACGAGTCTCTGGGCGCAGCTGGCTCGATG 463
Db 688 CTTCTAGGTCTGGGGCTACAGGTGCTTGCAGAGTCTCTGGGCGCAGCTGGCTCGATG 747
QY 464 TAGGTCAGCAGCGGGAACGATGAGTGGCTGCGCTTCCAGGAGGACTGTCTGTACCTG 523
Db 748 TAGGTCAGCAGCGGGAACGATGAGTGGCTGCGCTTCCAGGAGGACTGTCTGTACCTG 807

;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 51.1%; Score 1013; DB 10; Length 2456;
Best Local Similarity 78.2%; Pred. No. 3.7e-296;
Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;

QY 224 GGTGCTTGCACACCAAGAGGCTCAAGTGGTCAACAAATATGAAACCCCTGCAAGCAAAA 283
DB |||||
QY 388 GGTGCTTGCACACCAAGAGGCTCAAGTGGTCAACAAATATGAAACCCCTGCAAGCAAAA 447
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QY 284 CAGATGCATGTGGGGAAGACACCCATCCAAAGTCTTTTATAGGATGCCCTTCTCCAGACCT 343
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QY 448 CAGATGCATGTGGGGAAGACACCCATCCAAAGTCTTTTATAGGATGCCCTTCTCCAGACCT 507
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QY 344 CCTCTAGGTATCCTCAGTTTGCACCTCCAGAACCCCGGAGCCCTGGAAGGAATCAGA 403
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QY 508 CCTCTAGGTATCCTCAGTTTGCACCTCCAGAACCCCGGAGCCCTGGAAGGAATCAGA 567
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QY 404 GATGCTACCACTTACCGGCTG----- 425
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QY 568 GATGCTACCACTTACCGGCTGATGGAGTCTCGTCTGTGCGCAGGCTGGAGTGCAATG 627
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QY 426 ----- 425
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QY 628 GCAGATCTCGGCTCACTGCAACCTCGCGCTCCCGGTTCAAGCGAGTCTCTCGCCTCAG 687
QY 426 -----GGTCTGCAGAGTCTCTGGGCGCAGCTGGCTCGATG 463
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QY 688 CCTCTAGTGTCTGGGCTTACAGGTGCTTCAGAGAGTCTCTGGGCGCAGCTGGCTCGATG 747
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QY 464 TAGCTCAGCACCGGGAAACGGTACAAGTGGCTGGCTTACGCGAGGACTGCTGTACCTG 523
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QY 748 TAGCTCAGCACCGGGAAACGGTACAAGTGGCTGGCTTACGCGAGGACTGCTGTACCTG 807
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QY 584 CCGGAGGCGCTTCACTGTGGGCGTCTTCTGTACGAGGCTCTGACTTGGCGCGC 643
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QY 704 ACGGACGACAGCAACGCGCGCGGAACTGGGGCTGTCTGGAACAGATGGCGCTCTGCGC 763
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QY 988 ACGGACGACAGCAACGCGCGCGGAACTGGGGCTGTCTGGAACAGATGGCGCTCTGCGC 1047
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QY 764 TGGGTGAGAGAAACATCGCAGCTTTCGGGGAGACCCAGGAATGTGACCTGTTCGGC 823
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QY 824 CAGTCTGGGCGGCGCATGACATCTCAGGACTGATGATGTACCCCTAGCCTCGGCTCTC 883
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QY 1108 CAGTCTGGGCGGCGCATGACATCTCAGGACTGATGATGTACCCCTAGCCTCGGCTCTC 1167
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QY 944 CCACTGAAAGTGGCAAGAGGTTGCCACTCTGGCTGGATGCAACCAACACACACAG 1003
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QY 1228 CCACTGAAAGTGGCAAGAGGTTGCCACTCTGGCTGGATGCAACCAACACACACAG 1287
DB |||||

Search completed: May 10, 2005, 19:51:55
Job time : 1199 secs

QY 1004 ATCTGTGTAATGCTGCTGAGGCACTATCAGGAGCAAGGTGATGCTGTGTCACAAAG 1063
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QY 1064 ATGAGATTCCTCAACTGAACTTCCAGAGAGACCCGGAAGAGATATCTGTGTCATGAGC 1123
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QY 1348 ATGAGATTCCTCAACTGAACTTCCAGAGAGACCCGGAAGAGATATCTGTGTCATGAGC 1407
DB |||||
QY 1124 CTTGTGTGATGCTGCTGATCCAGATGACCTTTTGTGCTCTCTGACCCAGGGGAAG 1183
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QY 1184 GTTTCATCTGTGCTTACCTTCTAGGTGTCAACAACTCTGAAATCAATTTGGCTCTTGCCT 1243
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QY 1468 GTTTCATCTGTGCTTACCTTCTAGGTGTCAACAACTCTGAAATCAATTTGGCTCTTGCCT 1527
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QY 1244 TATATCATGAAAGTTCCTGCTAAACCGGAGGCGATGAGAAAGAAACCATCAATAAGATG 1303
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QY 1528 TAT----- 1530
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QY 1304 CTCTGGAGTACCGGACCTGTTGAATATCAACAGGAGCAGGTACCACTTGTGTGGAG 1363
DB |||||
QY 1531 -----AATATCAACAGGAGCAGGTACCACTTGTGTGGAG 1566
DB |||||
QY 1364 GAGTACCTGGACAATGTCAATGAGCATGACTGGAAGATCTACGAAACCGTATGATGAGAC 1423
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QY 1567 GAGTACCTGGACAATGTCAATGAGCATGACTGGAAGATCTACGAAACCGTATGATGAGAC 1626
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QY 1424 ATAGTTCAAGATGCCACTTTCGTGTATGCACTGCGAGACTGCTCACTACCAACGAGAT 1483
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QY 1684 ----- 1683
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QY 1664 GCCAACTTTGCGCGCACAGGAAACCCCAATGATGGGAATCTGCTGCTGGCCACGCTAC 1723
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QY 1845 CAATTTCAAGGTTGGCTATGAGGAGGAGCCAAAGAGGGTTTGGCCCAACCATCCAGG 1904
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QY 1904 CCTGGGAGACTAGCCATGAGCATCTCTGGGAGCAATGCTGTGAGAGTCTTACCCA 1952
DB |||||
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DB |||||

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OM_protein - protein search, using sw model

Run on: May 10, 2005, 14:26:21 ; Search time 30 Seconds
(without alignments)
1453.168 Million cell updates/sec

Title: US-10-001-227-2
Perfect score: 3112
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
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5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1260	40.5	565	4	US-09-595-682B-21
2	1251.5	40.2	566	3	US-09-264-737-2
3	1230	39.5	543	2	US-09-595-682B-26
4	1169.5	37.6	584	2	US-08-845-295A-2
5	1169.5	37.6	584	3	US-09-140-933-2
6	1169.5	37.6	584	3	US-09-146-661-2
7	1169.5	37.6	584	3	US-09-150-515-2
8	1145	36.8	581	4	US-10-023-515-2
9	1133	36.4	539	3	US-09-264-737-1
10	1083	34.8	559	4	US-09-595-682B-28
11	1083	34.8	559	4	US-09-949-016-6426
12	1083	34.8	577	4	US-09-949-016-9670
13	983.5	31.6	454	3	US-08-446-100-26
14	983.5	31.6	454	3	US-08-446-100-30
15	983.5	31.6	454	3	US-08-446-100-31
16	981.5	31.5	454	3	US-08-446-100-27
17	977.5	31.4	454	3	US-08-446-100-28
18	977.5	31.4	454	3	US-08-446-100-29
19	908.5	29.2	574	4	US-10-023-515-4
20	849	27.3	836	4	US-09-491-356C-21
21	831	26.7	848	4	US-09-491-356C-22
22	824.5	26.5	933	4	US-09-949-016-8386
23	820.5	26.4	823	4	US-09-491-356C-23
24	820.5	26.4	933	4	US-09-949-016-8387
25	796	25.6	823	4	US-09-949-016-6888
26	788	25.3	843	4	US-09-491-356C-20
27	787.5	25.3	617	2	US-08-370-156-6

28	787.5	25.3	617	3	US-08-814-095-6	Sequence 6, Appli
29	787	25.3	600	2	US-08-370-156-4	Sequence 4, Appli
30	787	25.3	600	3	US-08-814-095-4	Sequence 4, Appli
31	787	25.3	600	3	US-08-814-095-4	Sequence 1, Appli
32	787	25.3	614	1	US-07-732-962A-2	Sequence 2, Appli
33	787	25.3	614	2	US-08-370-156-2	Sequence 2, Appli
34	787	25.3	614	3	US-08-446-100-19	Sequence 19, Appli
35	787	25.3	614	3	US-08-814-095-2	Sequence 2, Appli
36	787	25.3	614	5	PCT-US92-06106-2	Sequence 2, Appli
37	787	25.3	645	4	US-09-949-016-7063	Sequence 7063, Ap
38	787	25.3	645	4	US-09-949-016-7064	Sequence 7064, Ap
39	786	25.3	614	3	US-08-446-100-21	Sequence 21, Appli
40	785	25.2	614	3	US-08-446-100-20	Sequence 20, Appli
41	785	25.2	614	3	US-08-446-100-25	Sequence 25, Appli
42	783	25.2	614	3	US-08-446-100-23	Sequence 23, Appli
43	782	25.1	614	3	US-08-446-100-22	Sequence 22, Appli
44	727.5	23.4	553	4	US-09-491-356C-24	Sequence 24, Appli
45	727.5	23.4	575	1	US-08-348-920-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1

US-09-595-682B-21
; Sequence 21, Application US/09595682B
; Patent No. 6800483
; GENERAL INFORMATION:
; APPLICANT: Danks, Mary K.
; APPLICANT: Potter, Philip M.
; APPLICANT: Houghton, Peter J.
; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth o
; TITLE OF INVENTION: Tumor Cells
; FILE REFERENCE: SJ-0005
; CURRENT APPLICATION NUMBER: US/09/595,682B
; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/075,258
; PRIOR FILING DATE: 1998-02-19
; PRIOR APPLICATION NUMBER: PCT/US99/03171
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 565
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-09-595-682B-21

Query Match	40.5%	Score 1260;	DB 4;	Length 565;
Best Local Similarity	43.8%;	Pred. No. 4.8e-120;		
Matches	245;	Conservative 119;	Mismatches 180;	Indels 16; Gaps 9;
QY	34	LCIMACTALGAL-----HTKRPQV--TKYGTLOGK--QMHVGKTPIOVFLGVFSPSRPLGI	86	
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QY	87	LRFAPPEPPEPWKIGIRDATYPPGCIQE--SWQQLASMTVSTRERYKWLRFSDCLYLN	144	
Db	63	LRFAPQPAPAESHVKNVTSYPPMCSQDAVSGHMLSELTNRKENTP-LKFSEDCLYNI	121	
QY	145	YAPARAGDPQLPVMVWVPPGGAPFVGAASYESGDLAAREKVVLPFLQHRHGLTGFGLSTD	204	
Db	122	YTPADLTKRGLPVMVWVHGGGLVWGASTYDGLALSNAHNVVWVVIQVRLGTWGFSTG	181	
QY	205	DSHARGNWGLLDOMALRWQENIAAFGGDPGNVTLFGOSAGAMSTISGLMMSPLASGLFH	264	
Db	182	DEHSRGNWGHLDQVALRWVQDNIAFNFGDPSVTIFGSGAGQSVSILLSPLTKNLFH	241	
QY	265	RAISOSGTALFRLFTSNTPLKVAKVHLAGCNHNSQTILVNCRLALSGTKVNRVSNKVR	324	
Db	242	RAISEGVALLSLFRKNTKSLAEKIAIEAGCKTTTSVWVHCLRQKTEELMEVTLKK	301	
QY	325	FLQLNFQRDPBEIIMSFPVVDGVIIPDDPLVLLTQGVSSVPYLLGVNNLEFNWLLP-Y	383	

Db 302 FVALDLVGPDKENTALTIVDGLVLPKAPAEILAEKYNMLPYMGINQOEFGWIIIPMQ 361
QY 384 IMKFPINRQAMRKETITKMLWSTRTLLNTITKEQVPLVBEYLDNVNHEHDKMLRNRMMDI 443
Db 362 MLGYPLSEGLDKDKTATELLWKSYPVNVSKELTPVATEKYLGTDVVKK--KOLFDM 419
QY 444 VQDATFYATLQTAHYHRDAGLPVLYEFEHH--ARGIIVKPRDTGDADHGDGEMVFLPGGP 502
Db 420 LADLLFGVPSVNVARHRDAGAPTYMYRYRPSFSSDMRPKTVIGDHGDEIFSVLGAPF 479
QY 503 ATGLSMGKEKALSQMMKYWANFARTGNPDGNLPCWPRYNKDEKYLQLDFTTRVGMKLG 562
Db 480 LKEGATEBEIKLSQMMKYWANFARNGNPNGLPQWPAYDYKEGYLQIGATTQAAQKLG 539
QY 563 EKQMAFWMSLY--QSOREK 580
Db 540 DKEVAFWTELWAKEARPRE 559
RESULT 2
US-09-264-737-2
; Sequence 2, Application US/09264737A
; Patent No. 6107549
; GENERAL INFORMATION:
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Ruff, Thomas G.
; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via
; TITLE OF INVENTION: Expression of Esterase Enzymes
; FILE REFERENCE: 38-21(10551) RLE3 Pyridine Tolerance
; CURRENT APPLICATION NUMBER: US/09/264,737A
; CURRENT FILING DATE: 1999-03-09
; EARLIER APPLICATION NUMBER: 60/077,377
; EARLIER FILING DATE: 1998-03-10
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 566
; TYPE: PRT
; ORGANISM: Rabbit
US-09-264-737-2
Query Match 40.2%; Score 1251.5; DB 3; Length 566;
Best Local Similarity 43.7%; Pred. No. 3.6e-119;
Matches 248; Conservative 117; Mismatches 175; Indels 27; Gaps 11;
QY 28 LWSLTLCLMAQTALGALHTKRPQVVTKYGTLOGQMHVK--TPIQVFLGVFP 79
Db 7 LVN--LFLAATAWG--HPSAPPV--DTVKGVL--GKFVSLGFAQVAVFLGVFP 56
QY 80 SRPPLGILRAPPEPPKGIKRDATYPPGCLQE--SWGQLASMYVSTRERYKWLRFSE 137
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QY 138 DCLYLVYAPARAGDPOLPVWVWFFGGAFIGAASSYEGSDLAAREKVVLPQLHRLGI 197
Db 116 DCLYLVYAPADLTGKRLPVWVWIFGGLVWGASTYDGLALSAHENVVVTIQYRLGI 175
QY 198 FGLSTDDSHARGNWGLDQALRWVQENIAAFGGDPGNVTILFGQSAGAMSTISGLMSP 257
Db 176 WGFSTGDEHSRGNWGLDQVRLRWQDNIAFNFGDPGSGVTIFGESAGQSIVILLSP 235
QY 258 LASGLPHRAISQSTALFRIFITSNPLKVAKVAHLACNHNSTQILNCLRLSGTKVM 317
Db 236 LTKNLFHRAISEGVALLSLFRKNTKSLAEKIAIEAGCKTTTSAVWVHCLROKTEELM 295
QY 318 RVSNKMRFLQINFORDEEIIWMSPVVDGWIIPDDPLVLLTQCKVSSVPYLLGVNMLEF 377
Db 296 EVTLKMKFMALDLVGPDKENTALTIVDGLVLPKAPAEILAEKYNMLPYMGINQOE 355
QY 378 NWLLP-YIMKFPINRQAMRKETITKMLWSTRTLLNTITKEQVPLVBEYLDNVNHEHDKML 436
Db 356 GWIIPMQLGYPLSEGLDKDKTATELLWKSYPVNVSKELTPVATEKYLGTDVVKK-- 413

QY 437 RNRMDIIVODATFVYATLQTAHYHRDAGLPVLYEFEHH--ARGIIVKPRDTGDADHGDGEMV 495
Db 414 KOLFDMADLLFGVPSVNVARHRDAGAPTYMYRYRPSFSSDMRPKTVIGDHGDEIF 473
QY 496 FLFGGPPFATGLSMGKEKALSQMMKYWANFARTGNPDGNLPCWPRYNKDEKYLQLDFTT 555
Db 474 SVLGAPFLKEGATEBEIKLSQMMKYWANFARNGNPNGLPQWPAYDYKEGYLQIGATT 533
QY 556 RVGMKLEKMAFWMSLY--QSOREK 580
Db 534 QAAQKLDKEVAFWTELWAKEARPRE 560
RESULT 3
US-09-595-682B-26
; Sequence 26, Application US/09595682B
; Patent No. 6800483
; GENERAL INFORMATION:
; APPLICANT: Danks, Mary K.
; APPLICANT: Potter, Philip M.
; APPLICANT: Houghton, Peter J.
; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth o
; TITLE OF INVENTION: Tumor Cells
; FILE REFERENCE: SJ-0005
; CURRENT APPLICATION NUMBER: US/09/595,682B
; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/075,258
; PRIOR FILING DATE: 1998-02-19
; PRIOR APPLICATION NUMBER: PCT/US99/03171
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 543
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-09-595-682B-26
Query Match 39.5%; Score 1230; DB 4; Length 543;
Best Local Similarity 43.9%; Pred. No. 5.4e-117;
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QY 87 LRFPAPPEPPKGIKRDATYPPGCLQE--SWGQLASMYVSTRERYKWLRFSEDCLYLNV 144
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Db 122 YTPADLTGKRLPVWVWIFGGLVWGASTYDGLALSAHENVVVTIQYRLGFWGFSTG 181
QY 205 DSHARGNWGLDQALRWVQENIAAFGGDPGNVTILFGQSAGAMSTISGLMSPASGLFH 264
Db 182 DEHSRGNWGLDQVRLRWQDNIAFNFGDPGSGVTIFGESAGQSIVILLSPLTKNLP 241
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Db 242 RAISEGVALLSLFRKNTKSLAEKIAIEAGCKTTTSAVWVHCLROKTEELMEVTLKMK 301
QY 325 FLQINFORDEEIIWMSPVVDGWIIPDDPLVLLTQCKVSSVPYLLGVNMLEFNWLLP-Y 383
Db 302 FVALDLVGPDKENTALTIVDGLVLPKAPAEILAEKYNMLPYMGINQOEFGWIIIPMQ 361
QY 384 IMKFPINRQAMRKETITKMLWSTRTLLNTITKEQVPLVBEYLDNVNHEHDKMLRNRMMDI 443
Db 362 MLGYPLSEGLDKDKTATELLWKSYPVNVSKELTPVATEKYLGTDVVKK--KOLFDM 419
QY 444 VQDATFYATLQTAHYHRDAGLPVLYEFEHH--ARGIIVKPRDTGDADHGDGEMVFLPGGP 502

Matches	249; Conservative	108; Mismatches	193; Indels	29; Gaps	13;
QY	26	WILCWSLTLCMAQTALGALHTKRPQV--TKYGTLOGKQMHVG----	KTPIQVFLGVPFS	80	
Db	2	WLL--FLVLTSLASSATWAGQPASPPVDTAQGRVLGKYVLSLEGLAFTQPVAVFLGVPFA	59		
QY	81	RPPGLILRAFAPPPPPWGIIRDATTYPGCLQESWGQLASMYVST----	RERYKWLRF	136	
Db	60	KPPLGLSLRFAPPQAPAEFPWFVKMTTSYPPMCCQDPVVEQMTSDLFTNFTGKERLT--LEFS	118		
QY	137	EDCLXLNVVAPARAPGDPLPVMWPPGGAFIVGAASSYEGSDLAAREK--	VVLVFLQHR	194	
Db	119	EDCLYLNIYTPADLTXYGRLLPVMWTHGGGLVLGGAFTDGVVLAHAENFTVVVAIQIR	178		
QY	195	LGI FGELSTDSSHARGNWGLDDMAALRWQVENIAAFGGDPGNVTLLFGOS--	AGAMSISG	252	
Db	179	LGIWGFFSTGDEHSRGNWGLHDQVAALHWQVENIANFGGDPGSGVTTFGESFATAGGESVSV	238		
QY	253	LMMSPLASGLFHRAISQSGTALFLRLITSNPLKVAKKVAHLACGNHNSIQI--	LYNCLIRA	310	
Db	239	LVLSPILAKLHFRAISESGVALTVLALVRKDMKAAKQIAVLACGKTTTSAVFTFVHCLRQ	298		
QY	311	LSGTVMYRSNKRFLQLNFQRPDEPIIWSMSPVVDGWIIPDDPLVLLTQG--	KVSSVPV	368	
Db	299	KSEDELLDLTKMKFTLDFHGDQRESHPFLPTIVDGVLLPKMPEELIAEKDFTNVTYV	358		
QY	369	LLGVNNLEFNWLLPYIMKFPPLNRQMRKFTITKMLMSTRLLNITKEQVPLV--	VEEYLD	426	
Db	359	IVGINKQEFGLWLLPTMWGFFLSEGLDKDQTATSLMKSYPIANIPEELTPVATFTDKYLG	418		
QY	427	NVNEHDWKMLRNEMDVIQDAPFVYATLQTAHYHRDAGLPVILYBEPEHH--	ARGIIVKP	483	
Db	419	GTTDDPVKK--KDLFDLMGDMGVFVGSPSVTAQRHRDAGAPTMYEFOYQRPSPSSDKFTKP	476		
QY	484	RTDGDAGHDEMTPFLGCGPPTGLSMGKEKALSQWMMKYWANFARTGNPDGMLPCWP--	R	541	
Db	477	KTVIGDHGDEISVFGFFPLLKGDAPEEVVSLSKTVMKFWANFARSGNPNGEGLPHPWFTM	536		
QY	542	YNKDEKYLQDLFTTRVGMKLKEKKMAFWMSLYQSQRPEK	580		
Db	537	YDQEEGYLQIGVNTQAAKELKGEVAFWMDLLSKEAAK	575		

RESULT 6
 US-09-146-661-2
 ; Sequence 2, Application US/09146661
 ; Patent No. 6136575
 ; GENERAL INFORMATION:
 ; APPLICANT: Hubbs, John C.
 ; TITLE OF INVENTION: Enzymatic Process for the Manufacture of
 ; TITLE OF INVENTION: Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of 2-Keto-L-Gu
 ; TITLE OF INVENTION: Acid
 ; NUMBER OF SEQUENCES: 3
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Eastman Chemical Company
 ; STREET: P.O. Box 511
 ; CITY: Kingsport
 ; STATE: Tennessee
 ; COUNTRY: USA
 ; ZIP: 37662-5075
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch disk
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: Microsoft Word
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/146,661
 ; FILING DATE: 03-September-98
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/017,879; 08/845,295
 ; FILING DATE: 17-May-96; 25-April-97
 ; ATTORNEY/AGENT INFORMATION:

```

; NAME: Cheryl J. Tubach
; REGISTRATION NUMBER: 38,346
; REFERENCE/DOCKET NUMBER: 70432
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 423-229-6189
; TELEFAX: 423-229-1239
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 584 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; MOLECULE TYPE: protein
US-09-146-661-2

Query Match      37.6%; Score 1169.5; DB 3; Length 584;
Best Local Similarity 43.0%; Pred. No. 9.9e-111;
Matches 249; Conservative 108; Mismatches 193; Indels 29; Gaps 13

Qy      26 WILCWSITLCIMACTALCALHTKRPQVV-TKYGTILQKQMHVG---TKPIQVFLGVGPS 80
Db      2 WLL--PLVLTSLASATWAGOPAPPPVDDTAQGRVLGKYVLEGLAFTQPVAVFLGVPPA 59
Qy      81 RPPLGILRFAPPEPEPWKGIRDATTYPYPGCLQESWGQLASMYVST----RERYKWLRFPS 136
Db      60 KPPLGLSLRFAPPQPAEPWSPVKNTTSTYPPMCCQDPVVEQMTSDLTFNTFTGKERLT-LEPS 118
Qy      137 EDCLYINYPARAPGDPOLPVMWFFPGGATIVGAASYEGSDLAAREK--VVLVFLQHR 194
Db      119 EDCLYLINIYTPADLTIKGRLLPVMWIHGGGVLVGLGAPMYDGVVLAAHENFTVVVAIOYR 178
Qy      195 LGIFGLTSTDHARGNWGLLDMAALLRWQENIAAFGGDQGNVTLFQGS--AGAMSISG 252
Db      179 LGIWGFSTGDEHSGNWGHLDQVAALHWQENIANFGDQGSVTIFGESFTAGGESVSV 238
Qy      253 LIMSPLASGLFHRAISOGTALFLRFTSNPLKVAKKVAHLAGCNHNSQTQI--LVNCLRA 310
Db      239 LVLSPLAKNLFHRAISESGVALTVALVRKDKAAKAQIAVLAGCKTTTSAVTFVHCLRQ 298
Qy      311 LSGTKVMRVSNKMFLOLNFQDPEEIIWNSPVVDGVVIPDDPLVLLTQG--KVSSVPEY 368
Db      299 KSEDELLDILTLMKFLTLDFPHGDQRESHPLFTVVDGVLLPMPPEILAEKDFTFTNVPEY 358
Qy      369 LLGVNNLEFNWLLPYIMKFFPLNQRAMRKETTITKMLWSTRTLLNITKEQVPLV--VEEYLD 426
Db      359 IVGINKQEFGLWLLPTMWGFFLSEGLKQDKTATSLTLKSYPIANIPEELTPVATFTDKYLQ 418
Qy      427 NVNEHDWKLNRMDIVQDATFVATVLTQTAHYHRDAGLPVYLFEFEHH---ARGLIYKPK 483
Db      419 GTDDPVPKK--KDLFLDLMDGDVVFGVPSTVARQHRDAGAPTMYTFQYRPSFSKDFTKPK 476
Qy      484 RTDCADHGDEMYFLFGGPFATGLSMGKSKALSLQMKYKWNFAFRTGNPDGNLPCWP--R 541
Db      477 KTVLGDHGDHFLSVFGFPLLKGDAPEEVSLSTKVMKFWANFARSGNPNGBGLPHWPFYM 536
Qy      542 YNKDEKYLQLDFTTRVHGMLKKEKKVAFWMSLYQSORPEK 580
Db      537 YDQBEGYLOIGVNTQAAKRLKGEVEAFWNDLLSKEAAKK 575

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RESULT 7
US-09-150-515-2
; Sequence 2, Application US/09150515
; Patent No. 6271006
; GENERAL INFORMATION:
; APPLICANT: Hubbs, John C.
; TITLE OF INVENTION: Enzymatic Process for the Manufacture of
; TITLE OF INVENTION: Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of
; TITLE OF INVENTION: 2-Keto-L-Gulonic Acid
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Eastman Chemical Company
; STREET: P.O. Box 511
; CITY: Kingsport

```
STATE: Tennessee
COUNTRY: USA
ZIP: 37662-5075
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/150,515
FILING DATE: 09-SEP-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/017,879; 08/845,295
FILING DATE: 17-May-96; 25-April-97
ATTORNEY/AGENT INFORMATION:
NAME: Cheryl J. Tubach
REGISTRATION NUMBER: 38,346
REFERENCE/DOCKET NUMBER: 70432
TELECOMMUNICATION INFORMATION:
TELEPHONE: 423-229-6189
TELEFAX: 423-229-1239
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 584 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-09-150-515-2

Query Match 37.6%; Score 1169.5; DB 3; Length 584;
Best Local Similarity 43.0%; Pred. No. 9.9e-111;
Matches 249; Conservative 108; Mismatches 193; Indels 29; Gaps 13;

QY 26 WILCNSLTCLMAQTALGALHTKRPQVV-TKGTLOGKQMHVG----KTPIQVFLGVFES 80
DB 2 WLL--PLVLTSLASSATWAGQAPSPVDTAQRVLGKTVSLGLEAFTQPVAVFLGVFPA 59

QY 81 RPPLGLIRFAPPEPPKGIKIRDTATTPGCGIQESMGQLASMYVST----RERYKWLRF 136
DB 60 KPELGLSRFAPQAPAPSPVKNNTSYPPMCCQDPVVEQMTSDLFNFTGKERLT-LFES 118

QY 137 EDCLYLNVAAPARAPGDPQLPVNWPFGGAFIVGAASSTEGSDLAAREK--VVLVPLQHR 194
DB 119 EDCLYLNITPADLTGKRGRLPVNWIHGGGLVLGGAPMYDGVVLAAHENFTVVAIQVR 178

QY 195 LGIFGFLSTDDSHARGNWGLDQMAALRWQENIAAFGGDGNVTLFGOS--AGAMSISG 252
DB 179 LGIWGFFSTGDEHSRGNWGHLDQVAALHWQENIANFGGDPGSGVTIFGSEFTAGGESV 238

QY 253 LAMSPLASGLFHRAISQSGTALFRLFITSNPLKVAKKVAHLACGNHNSQI--LVNCLRA 310
DB 239 LVLSPLAKNLFHRAISESGVALTVLRKDMKAAKQIAVLACKTTTSAVFTFVHCLRQ 298

QY 311 LSGTKVMRSNRMRFLOLNFQRPDBEIIWSMSPVVDGVVIPPDDPLVLLTQG--KVSSVPY 368
DB 299 KSEDELLDLTKMKFLTLDFHGQDRESHPFLPTVVDGVLLPKMPEILAEKDPFTFTVPY 358

QY 369 LLGVNLEFNLLPYITMKEPLNRQMKETITKMLWSTLTNLNITKEQVPLV--VEEYLD 426
DB 359 IVGINKQEFGLLPTVMWGFLSEGKLDQKATSLMLKSYPIANIPEELTFVATFTDKYLG 418

QY 427 NVNEHDWKLNRNMDIVQDATFVYATLQTAHYHRDAGLPVLYEPEHH--ARGIIVKP 483
DB 419 CTDDPVKK--KDLFLDMGDVFGVPSVTVAQRDRDAGAPTMYEYQYRPSSSDKFTXP 476

QY 484 RTDGADHGDMEYFLFGGPFATGLSMGKEKALSQMKYWANFARTGNPDGNLPCWP--R 541
DB 477 KTVIGDHGDEISVFGFPLKGDPAPEEVSLSKTVMKFWANFARSGNPNEGELPHWPF 536

QY 542 YNKDEKYLQDFTTRVGMKLEKKKMAFWMSLYQSQRPEK 580
DB 537 YQEGEYLQIGVNTQAQKELKGEVAFWMDLLSKEAAK 575
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RESULT 8

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US-10-023-515-2
Sequence 2, Application US/10023515
Patent No. 6664091
GENERAL INFORMATION:
APPLICANT: Curtis, Rory A. J.
APPLICANT: Silos-Santiago, Immaculada
TITLE OF INVENTION: 53010, A NOVEL HUMAN CARBOXYLESTERASE
TITLE OF INVENTION: FAMILY MEMBER AND USES THEREOF
FILE REFERENCE: 10448-122001
CURRENT APPLICATION NUMBER: US/10/023,515
CURRENT FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: 60/256,369
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: 60/279,508
PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 581
TYPE: PRT
ORGANISM: Homo sapiens
US-10-023-515-2
```

```
Query Match 36.8%; Score 1145; DB 4; Length 581;
Best Local Similarity 42.8%; Pred. No. 3.2e-108;
Matches 249; Conservative 91; Mismatches 186; Indels 56; Gaps 13;
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QY 11 LPSLLPTAGAGWMRWILCWSLTCLMAQTALG-----ALHTKRPQVVKYGTLOGKQ 63
DB 1 MPQGLTSSASQW-----CFFLIL-----QPLLGHROWGKTGPSAEGPQRNTRLGWTGKQ 50

QY 64 MEV--GKTPIQVFLGVPSRPPLGILRFAPPEPPKGIKIRDTATTPGCGIQESMGQLAS 121
DB 51 VTULGSPVNVNVLGVFPFAAPPLGSLRFTNPQSPWDNLRATSYPNLCLQNSEWLLLD 110

QY 122 MYSTRERYKWLRFSEDCLYLNVAAPARAPGDPQLPVNWPFGGAFIVGAASSTEGSDLA 181
DB 111 QHM-LKVHYPKFGVSEDCLYLNVAAPAHADTGSKLPVWFGGAFKTSASIFDGSALA 169

QY 182 AREKVVLPQLRHILGIFGFLSTDDSHARGNWGLDQMAALRWQENIAAFGGDGNVTLF 241
DB 170-AYEDVLVVVVQYRLGIFGFTTWDQHPGNWAFKQQAALSWVQKNIIEFGGDPSSVTIF 229

QY 242 GOSAGAMSTGLMWSPLASGLFHRAISQSGTALFRL-----FITSNPLKVAKKVAHLAC 236
DB 230 GSGAGAISVSSLILSPMANGLFHKAIMESGVAIIPYLEAHDYKESDQLQV---VAHPCGN 286

QY 297 NINSTQILVNCILRALSGTKVMRSNRMRFLOLNFQRPDBEIIWSMSPVVDGVVIPPDDPLV 356
DB 287 NASDSEALLRCLTRKPSKELLTSLQTK-----SFTRVVDGAFPPNEPLD 331

QY 357 LITQKVSVPVLLGVNNLEFNWLLPYIMKFLNLRQMKETITKMLWSTLTNLNITKEQ 416
DB 332 LLSQAKFAIPSTIIGVNNHECGFLLP-MKEAPEILLSGNSKSLALHLI---QNILHIPQY 387

QY 417 VPLVVEEYLDNVNEHDWKLNRNMDIVQDATFVYATLQTAHYHRDAGLPVLYEPEHHA 476
DB 388 LHLVANEYPH--DKHSLTEIRSDLSLDDLGDFVFPVALLITARYHRDAGAPVYFEPHRP 445

QY 477 RGI-IVKPRITGADHGDMEYFLFGGPFATG-----LSMGKEKALSQMKYWANFARTG 529
DB 446 QCPEETKPAFVKADHDADEVRFVFGGAFKGDIVMEGATEEEKLLSRKMKYWTATFARTG 505

QY 530 NPNDGNLPCWPYRNKDEKYLQDFTTRVGMKLEKKKMAFWMS 571
DB 506 NPNGNDLSLWPAYNLTEQYLQDLNMSLQRLKEPRVDFTWS 547
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RESULT 9

US-09-264-737-1

; Sequence 1, Application US/09264737A
; Patent No. 6107549
; GENERAL INFORMATION:
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Ruff, Thomas G.
; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via
; TITLE OF INVENTION: Expression of Esterase Enzymes
; FILE REFERENCE: 38-21(10551) RLE3 Pyridine Tolerance
; CURRENT APPLICATION NUMBER: US/09/264,737A
; CURRENT FILING DATE: 1999-03-09
; EARLIER APPLICATION NUMBER: 60/077,377
; EARLIER FILING DATE: 1998-03-10
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 539
; TYPE: PRT
; ORGANISM: Rabbit
US-09-264-737-1

Query Match 36.4%; Score 1133; DB 3; Length 539;
Best Local Similarity 41.3%; Pred. No. 4.8e-107;
Matches 227; Conservative 115; Mismatches 177; Indels 30; Gaps 10;

QY 46 HTRKPOVTKYGTLOGKQMHVGK-----TPIQVLGVPPSRKPLGILRFPAPPEPP 97
DB 1 HPSAPPV---DIVKGVL--GKFSLEGPAQVAVFLGVPAKPLGSLRFPAPQAPAS 55

QY 98 WKGIKDATVPPCLOB--SWGOLASMYSTRERYKWLRFSEDCLYNVYAPAPGDPQ 155
DB 56 WSHVKNNTSYPPMCSSDAVSGHMLSELFTRNKENIP-LKFSEDCLYNTYTPADLTRGR 114

QY 156 LPVMVFPFGAFVGAASSYEGSDLAAREKVLVFLQHLRIGFGLSTDDSHARGNWGLL 215
DB 115 LPVMVHGGMLVGGASTYDGLALSAHENVVVTIYRLGIGGFGFNIDE-----L 166

QY 216 DOMAALRWQONTAAFGGDPGNVTLFGOSAGAMSISGLMMSPLASGLFHRASISQGTALF 275
DB 167 FLVAVNRWQONTANFGGDPGVTIFGESAGQSVLLLSPLTKNLFHRAISESGVALL 226

QY 276 RLFTSNPLKAKKVAHLACNNHSTQILVNCRLALSGTKVMKVSNNRFLQNLNFORDE 335
DB 227 SSLFRKNTKSLAKIAEAGCKTTTSAVMVHCLRQKTEBELMEVTLKMKFMALDLVGD 286

QY 336 EIIWSMSPVVDGVIPDDPLVLTQGVSSVPLLGNLNFENLLP-YIMKPLANQAM 394
DB 287 ENTAFLTVIDGVLLPKAPAEIYEKKYNMLPYVVGINQOEFGWIIIPMQMLGYPLSEGL 346

QY 395 RKETITKQLWSTRLNITKEQVPLVVEYLDNVNHDKMLNRNMDIVQDATFVYATL 454
DB 347 DQTATTELLMKSYPVNVSKELTPVATEKYLGGTDPVK--KDLFLDLADLLFGVPSV 404

QY 455 QTAHYHRDAGLPVLYEFEHH-ARGIIVKPRDTGADHGDMMYFLFGPPFATGLSMGKEKA 513
DB 405 NVARHHRDAGAPTMYEYRPSFSDMRPKTVIGDHGDEIFSVLGAFLKEGATEEIK 464

QY 514 LSLQMKMYANFARTGNPDGNLPCWPRYNKDEKYLQDLDTTRVGMKLEKKNAPWMSLY 573
DB 465 LSKVMKYANFARNGNPNEGGLPQWPAYDYKGLQIGATGTAQAOKLKDKEVAFVETLW 524

QY 574 --QSORPEK 580
DB 525 AKEAARPE 533

RESULT 10
US-09-595-682B-28
; Sequence 28, Application US/09595682B
; Patent No. 6800483
; GENERAL INFORMATION:
; APPLICANT: Danks, Mary K.
; APPLICANT: Potter, Philip M.
; APPLICANT: Houghton, Peter J.

; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth o
; TITLE OF INVENTION: Tumor Cells
; FILE REFERENCE: SJ-0005
; CURRENT APPLICATION NUMBER: US/09/595,682B
; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/075,258
; PRIOR FILING DATE: 1998-02-19
; PRIOR APPLICATION NUMBER: PCT/US99/03171
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 559
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-595-682B-28

Query Match 34.8%; Score 1083; DB 4; Length 559;
Best Local Similarity 40.8%; Pred. No. 7e-102;
Matches 232; Conservative 94; Mismatches 204; Indels 38; Gaps 10;

QY 27 ILCWSLTLCMAQTALGALHTKRPQVVKYGTLOGKQMHV--GKTPIQVFLGVPPSRPDL 84
DB 13 VACGLLLLVRCQ---GQDSASPIRTTHTGQVGLSLVHVKGANAGVOTFLGIPFAKPL 68

QY 85 GILRFAPPEPPKGIKIRDTATTPPGCLOESWGQLASMYSTRERYKMLRFSEDCLYNV 144
DB 69 GLPRLFAPPEPPSGVRDGTTHPAMCLODLTAVSEFLSQNMTFPPSDMSMEDCLYLSI 128

QY 145 YAPAPAGDPQPLVMVFPFGAFVGAASSYEGSDLAAREKVLVFLQHLRIGFGLSTD 204
DB 129 YTPAHSHEGSLNPLVMVHGGALVFGMASLYDGSMLAALENVVVIQVRLGVLFSTG 188

QY 205 DSHARGNWGLLDQMAALRWQONTAAFGGDPGNVTLFGOSAGAMSISGLMMSPLASGLFH 264
DB 189 DXHATGNMGVLDQVAALRWQONTAAFGGDPGNVTLFGOSAGTSVSSLWSPISQGLFH 248

QY 265 RAISOSGTALFLFTSNPLKAKKVAHLACNNHSTQILVNCRLALSGTKVMKVSNNR 324
DB 249 GAIMESGVALLPGLTASSADVSTVAVNLSDQVDSEALVCLRGKSKKEEILAINKPK 308

QY 325 FLQLNFORDEPEIIMSFPVVDGVIPDDPLVLTQGVSSVPLLGNLNFENLLPVI 384
DB 309 MI-----PGVDGVFLPRHPQELLASADPQPVPSIVGVNNNEFGWLLPKV 353

QY 385 MKFPLNRQAMRKETITKMLWSTRLNITKEQVPLVVEYLDNVNHDKMLNRNMDI 443
DB 354 MRYDTQKEMDREASQAALQKMLTLLMLPPTFTGDLLEBEYIGDN--GDPQLQAOFOBM 410

QY 444 VQDATFVYATLQTAHYHRDAGLPVLYEFEHHARGI-IVKPRDTGADHGDMMYFL----F 498
DB 411 MADSMFVTPALQVAHF-QCSRAPVYVFEHQPSWLNKIRPPHMKADHGDDELFPVFSRFF 469

QY 499 GGGPFATGLSMGKEKALSQMKMYANFARTGNPDGNLPCWPRYNKDEKYLQDLDTTRVG 558
DB 470 GGNVYIKFTE--BEEQLSRKMKMYANFARNGNPNEGGLPQWPLFLDQEEQYQLNLQPAVG 527

QY 559 MKLEKKNAPW-----MSLYQSORPEK 581
DB 528 RALKAHRLQFWKCALPQKIQLEBEPEER 555

RESULT 11
US-09-949-016-6426
; Sequence 6426, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14


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;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,100
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: broomfield
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-2767
; TELEFAX: (703) 425-2767
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: YES
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: human esterases
;
; US-08-446-100-26

Query Match 31.6%; Score 983.5; DB 3; Length 454;
Best Local Similarity 43.6%; Pred. No. 8e-92;
Matches 196; Conservative 91; Mismatches 158; Indels 5; Gaps 4;

QY 137 EDCLYLVNYPAPARPGDPQLPVWVWPGGAFIVCAASSYEGSDLAAREKVVLFLOHRLG 196
DB 1 ECHLYLNIYTPADLTCKNRLPVWVWVHGGGLMVGAASYDGLAALAAHENVVVTIQYRLG 60
QY 197 IFGLSTDDSHARGNGLLDQMAALRWVOENIAAFGGDPGNVTLFGSAGAMSISGLMWS 256
DB 61 IWGFSTGDEHSGNWHGLDQVAALRWQDNIAFGNPGSVTFGESAGGESVSVLVLS 120
QY 257 PLASGLFHRAISOGTALFRLFITSNPLK-VAKKVAHLACGNHNSQILVNCRLALSGTK 315
DB 121 PLAKNLFHRAISSEGVALTSLVKKGVKPLAQIAITAGCKTTTSAAMVHCLRQKTEEE 180
QY 316 VMRSNKRFLQNFQDPDEIITWSMSPVVDGVVDPDDPLVLTQGVKSSVPYLLGVNVL 375
DB 181 LLETTLKIGNSYLWYRETQREESTLLGTVIDGMLLTKTPEELQRENFHTVPTVMVGINKQ 240
QY 376 EFNWLLP-YIMKFLPNRQAMKETITKMLWSTRTLLNITKEQVPLVVEEYLDNVNEHDK 434
DB 241 EFGWLLPQMLSVPLSEGDDQKTAMSLGSPILPFAIAKELIPEATEKYLGTGD--DTV 298
QY 435 MLNRNMDIVQDATFVYATLQTAHYHRDAGLPVLYEFEHH-ARGIIVKPRTDGADHGE 493
DB 299 KKKDLILLDIADVMFGVPSVIVARNHRDAGAPTYMYEFQVRPFSDDMKPKTVIGDHGE 358
QY 494 MYFLFGPPATGLSMGKEKALSLOMKYWANFARTGNPDGNLPCWPRYKDKYLQIDF 553
DB 359 LFSVFGAPPLKEGASEEIRLSKVMKFWANFARNGNPNKGKGLPHWPEYNQKEGYLQIGA 418
QY 554 TTRVGKMLKEKMAFWMSLYQSORPEKQ 583
DB 419 NTQAQKLKDEKVAFTNLFAKKAKEPPQ 448
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RESULT 14

US-08-446-100-30

; Sequence 30, Application US/08446100

; Patent No. 6001625

; GENERAL INFORMATION:

; APPLICANT: Broomfield, Clarence A

```
;
; APPLICANT: Millard, Charles B
; APPLICANT: Lockridge, Oksana
; TITLE OF INVENTION: Site-Directed Mutagenesis of Esterases
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Assoc.
; STREET: 9669 A Main Street, P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,100
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: broomfield
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-4250
; TELEFAX: (703) 425-2767
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: YES
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: human esterases
;
; US-08-446-100-30
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Query Match 31.6%; Score 983.5; DB 3; Length 454;

Best Local Similarity 43.6%; Pred. No. 8e-92;

Matches 196; Conservative 91; Mismatches 158; Indels 5; Gaps 4;

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DB 1 ECHLYLNIYTPADLTCKNRLPVWVWVHGGGLMVGAASYDGLAALAAHENVVVTIQYRLG 60
QY 197 IFGLSTDDSHARGNGLLDQMAALRWVOENIAAFGGDPGNVTLFGSAGAMSISGLMWS 256
DB 61 IWGFSTGDEHSGNWHGLDQVAALRWQDNIAFGNPGSVTFGESAGGESVSVLVLS 120
QY 257 PLASGLFHRAISOGTALFRLFITSNPLK-VAKKVAHLACGNHNSQILVNCRLALSGTK 315
DB 121 PLAKNLFHRAISSEGVALTSLVKKGVKPLAQIAITAGCKTTTSAAMVHCLRQKTEEE 180
QY 316 VMRSNKRFLQNFQDPDEIITWSMSPVVDGVVDPDDPLVLTQGVKSSVPYLLGVNVL 375
DB 181 LLETTLKIGNSYLWYRETQREESTLLGTVIDGMLLTKTPEELQRENFHTVPTVMVGINKQ 240
QY 376 EFNWLLP-YIMKFLPNRQAMKETITKMLWSTRTLLNITKEQVPLVVEEYLDNVNEHDK 434
DB 241 EFGWLLPQMLSVPLSEGDDQKTAMSLGSPILPFAIAKELIPEATEKYLGTGD--DTV 298
QY 435 MLNRNMDIVQDATFVYATLQTAHYHRDAGLPVLYEFEHH-ARGIIVKPRTDGADHGE 493
DB 299 KKKDLILLDIADVMFGVPSVIVARNHRDAGAPTYMYEFQVRPFSDDMKPKTVIGDHGE 358
QY 494 MYFLFGPPATGLSMGKEKALSLOMKYWANFARTGNPDGNLPCWPRYKDKYLQIDF 553
DB 359 LFSVFGAPPLKEGASEEIRLSKVMKFWANFARNGNPNKGKGLPHWPEYNQKEGYLQIGA 418
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QY 554 TTRVGMKLEKKWAFWMSLYQSQRPEKQO 583
Db 419 NTQAAQKLDKEVAFWNLFAKKAVERKPPQ 448

RESULT 15

US-08-446-100-31
; Sequence 31, Application US/08446100
; Patent No. 6001625
; GENERAL INFORMATION:
; APPLICANT: Broomfield, Clarence A
; APPLICANT: Millard, Charles B
; APPLICANT: Lockridge, Oksana
; TITLE OF INVENTION: Site-Directed Mutagenesis of Esterases
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Assoc.
; STREET: 9669 A Main Street, P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,100
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: broomfield
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-4250
; TELEFAX: (703) 425-2767
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: YES
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: human esterases
; US-08-446-100-31

Query Match 31.6%; Score 983.5; DB 3; Length 454;
Best Local Similarity 43.6%; Pred. No. 8e-92;
Matches 196; Conservative 91; Mismatches 158; Indels 5; Gaps 4;
QY 137 EDCLYLNVAAPARAGDPOLPVMMVPPGAFIVGAASSYEGSDLAAREKVVLVFLQHLRG 196
Db 1 EHCILYNIYPAULTKKNRLPVMMVHGGGLMVGAASTYDGLALAAHENVVVTIQIRLG 60
QY 197 IFGFLSTDDSHARGNWLQDQAALRWQENIAAFGGDPGNVTLFGQAGAMSISGLMMS 256
Db 61 IWGFFSTGDEHSGRWGHLQVAALRWQDNIAFGNPGSVTFGESAGESVSVLVLS 120
QY 257 PLASGLFHRAISOGTALFLFTSPLK-VAKKVAHLACNHNSTQILVNCIRALSGTK 315
Db 121 PLAKNLFHRAISESGVALTSVLVKGDVKKPLAEQIAITAGCKTTTSAAMVHCLRQKTEE 180
QY 316 VMEVSNKMRFLQNFQDPDEIIVMSKSPVVDGVIPDDPLVLTQCKVSSVPYLLGVNKL 375
Db 181 LLETTLKIGNSYLWYRETQRESHLLGTVIDGMLLTKTPEELQRENFHTVPMVGINKQ 240
QY 376 EFNWLLP-YIMKPLNRQAMRKETITKQLWSTRTLLNITKEQVPLVVEEYLDNVNHDWK 434

Db 241 EFGWLLIPMQLMSTPLSEGGDDQKTAMSLGSPILPFAIAKELIPEATEKYLGGTD--DTV 298
QY 435 MLERNRMMDIVQDATFVYATILQTAHYHRDAGLPVLYEFEHH-ARGIIVKPRITDGAHDGE 493
Db 299 KKCDLILDLIADVMFGVPSVIVARNHRDAGAPTMYEFQYRPSFSSDMKPKTVIGDHGDE 358
QY 494 MYFLPGGPPFATGLSMGKEKALSLOMKYWANFARTGNPDGNLPCWPRYKDEKYLQDF 553
Db 359 LFSVFGAPFLKEGASBEEIRLSKVMKFWANFARNGNPNKGKGLPHWPEYNQKEGYLQIGA 418
QY 554 TTRVGMKLEKKWAFWMSLYQSQRPEKQO 583
Db 419 NTQAAQKLDKEVAFWNLFAKKAVERKPPQ 448

Search completed: May 10, 2005, 16:54:07
Job time : 32 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 10, 2005, 16:36:12 ; Search time 441 Seconds
(without alignments)
441.773 Million cell updates/sec

Title: US-10-001-227-2
Perfect score: 3112
Sequence: 1 MPESTVLPSTVPSLLPTAG.....KMAFWMSLYSQRPKQRF 584

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1428581 seqs, 333598853 residues

Total number of hits satisfying chosen parameters: 1428581

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
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12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
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16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3112	100.0	584	14	US-10-001-227-2
2	3112	100.0	584	16	US-10-343-593-10
3	2026.5	65.1	545	9	US-09-978-295A-254
4	2026.5	65.1	545	9	US-09-978-697-254
5	2026.5	65.1	545	9	US-09-978-192A-254
6	2026.5	65.1	545	9	US-09-999-832A-254
7	2026.5	65.1	545	10	US-09-978-189-254
8	2026.5	65.1	545	10	US-09-978-608A-254
9	2026.5	65.1	545	10	US-09-978-585A-254
10	2026.5	65.1	545	10	US-09-978-191A-254
11	2026.5	65.1	545	10	US-09-978-403A-254
12	2026.5	65.1	545	10	US-09-978-564A-254
13	2026.5	65.1	545	10	US-09-999-833A-254

Query Match	Best Local Similarity	Score	DB 14	Length	584
14	2026.5	65.1	545	10	US-09-981-915A-254
15	2026.5	65.1	545	10	US-09-978-824-254
16	2026.5	65.1	545	10	US-09-918-585A-254
17	2026.5	65.1	545	10	US-09-999-834A-254
18	2026.5	65.1	545	10	US-09-978-423A-254
19	2026.5	65.1	545	10	US-09-978-193A-254
20	2026.5	65.1	545	10	US-09-999-830A-254
21	2026.5	65.1	545	10	US-09-978-757A-254
22	2026.5	65.1	545	10	US-09-978-187B-254
23	2026.5	65.1	545	10	US-09-978-643A-254
24	2026.5	65.1	545	10	US-09-978-375A-254
25	2026.5	65.1	545	10	US-09-978-298A-254
26	2026.5	65.1	545	10	US-09-978-188A-254
27	2026.5	65.1	545	10	US-09-978-681A-254
28	2026.5	65.1	545	10	US-09-978-194A-254
29	2026.5	65.1	545	10	US-09-999-829A-254
30	2026.5	65.1	545	10	US-09-978-299A-254
31	2026.5	65.1	545	10	US-09-978-544A-254
32	2026.5	65.1	545	10	US-09-978-665A-254
33	2026.5	65.1	545	10	US-09-978-802A-254
34	2026.5	65.1	545	11	US-09-999-831A-254
35	2026.5	65.1	545	13	US-10-052-586-58
36	2026.5	65.1	545	14	US-10-174-590-58
37	2026.5	65.1	545	14	US-10-176-758-58
38	2026.5	65.1	545	14	US-10-175-737-58
39	2026.5	65.1	545	14	US-10-174-581-58
40	2026.5	65.1	545	14	US-10-176-483-58
41	2026.5	65.1	545	14	US-10-176-749-58
42	2026.5	65.1	545	14	US-10-176-914-58
43	2026.5	65.1	545	14	US-10-176-915-58
44	2026.5	65.1	545	14	US-10-173-706-58
45	2026.5	65.1	545	14	US-10-175-738-58

ALIGNMENTS

RESULT 1
US-10-001-227-2
; Sequence 2, Application US/10001227
; Publication No. US20030166900A1
; GENERAL INFORMATION:
; APPLICANT: KAPILLER-LIBERMANN
; APPLICANT: SILOS-SANTIAGO
; TITLE OF INVENTION: METHODS OF USING 18903 TO TREAT PAIN AND
; TITLE OF INVENTION: PAIN-RELATED DISORDERS
; FILE REFERENCE: MNI-199
; CURRENT APPLICATION NUMBER: US/10/001,227
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/250929
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 584
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-001-227-2

Query Match 100.0%; Score 3112; DB 14; Length 584;
Best Local Similarity 100.0%; Pred. No. 4.8e-282;
Matches 584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MPESTVLPSTVPSLLPTAGAGSMRWILCWSLTLCLMAOTALGALHTKRPQVVKYGTLLQ 60
|||||
Db 1 MPESTVLPSTVPSLLPTAGAGSMRWILCWSLTLCLMAOTALGALHTKRPQVVKYGTLLQ 60
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Db 61 GKQMHVKGKTPIQVFLGVPSRPLGLIRFAPPPPPKGIIRDATTPPCQLQESWGQLA 120
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Db 121 SMYSTRERYKWLRFSEDCLYLVYAPAPAGDPQLPVMVWFFPGAFIVGAASSYEGSDL 180
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Db 181 AAREKVVLVFLQHRIGLFGFLSTDDSHARGNGLLDQMAALRWVQENIAAFGGDPGNVTL 240
Qy 241 FGOSAGAMSISGLMSPASGLFHRALISQSGTALFRLFITSNPLKVAKKVAHLAGCNHNS 300
Db 241 FGOSAGAMSISGLMSPASGLFHRALISQSGTALFRLFITSNPLKVAKKVAHLAGCNHNS 300
Qy 301 TQILVNCRLALSGTKVMRVSNKMRFLQNLNFORPDEEIIWMSPVVDGVIPDDPLVLLTQ 360
Db 301 TQILVNCRLALSGTKVMRVSNKMRFLQNLNFORPDEEIIWMSPVVDGVIPDDPLVLLTQ 360
Qy 361 GKVSVPYLLGVNNLEFNWLLPYIMKFPPLNROAMRKETITKMLWSTRTLLNITKEQVPLV 420
Db 361 GKVSVPYLLGVNNLEFNWLLPYIMKFPPLNROAMRKETITKMLWSTRTLLNITKEQVPLV 420
Qy 421 VVEYLDNVNHEHDKMLNRNMDIVQDATFYATLQTAHYHRDAGLPVLYEYFEHHARGII 480
Db 421 VVEYLDNVNHEHDKMLNRNMDIVQDATFYATLQTAHYHRDAGLPVLYEYFEHHARGII 480
Qy 481 VKPRTDGADHGDMEYFLFGGPFATGLSMGKEKALSQMMKYWANFARTGNPDGNLPCWP 540
Db 481 VKPRTDGADHGDMEYFLFGGPFATGLSMGKEKALSQMMKYWANFARTGNPDGNLPCWP 540
Qy 541 RYNKDEKYLQLDFTTRVGMKLEKKNWAFWMSLYQSQRPEKORQF 584
Db 541 RYNKDEKYLQLDFTTRVGMKLEKKNWAFWMSLYQSQRPEKORQF 584

RESULT 2

US-10-343-593-10
; Sequence 10, Application US/10343593
; Publication No. US20040110259A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.; BAUGHN, Mariah R.;
; APPLICANT: BRUNS, Christopher M.; DAS, Debopriya;
; APPLICANT: DELEGANE, Angelo M.; DING, Li;
; APPLICANT: ELLIOT, Vicki S.; GANDHI, Ameena R.;
; APPLICANT: GRIFFIN, Jennifer A.; HAPALIA, April J.A.;
; APPLICANT: KHAN, Farrah A.; LAL, Preeti G.;
; APPLICANT: LEE, Sally; LU, Dyung Aina M.;
; APPLICANT: LU, Yan; ARVIZU, Chandra S.;
; APPLICANT: RAMKUMAR, Javalaxmi; RING, Huijun Z.;
; APPLICANT: SANJANWALA, Madhusudan M.; TANG, Y. Tom;
; APPLICANT: THANGAVELU, Kavitha; THORNTON, Michael;
; APPLICANT: TRIBOULEY, Catherine M.; CHAWLA, Narinder K.;
; APPLICANT: WARREN, Bridget A.; YANG, Junming;
; APPLICANT: YAO, Monique G.; YUE, Henry
; TITLE OF INVENTION: DRUG METABOLIZING ENZYMES
; FILE REFERENCE: PI-0185 USN
; CURRENT APPLICATION NUMBER: US/10/343,593
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US 60/223,055
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/224,728
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/226,440
; PRIOR FILING DATE: 2000-08-18
; PRIOR APPLICATION NUMBER: US 60/228,067
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/230,063
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: US 60/232,244
; PRIOR FILING DATE: 2000-09-13
; PRIOR APPLICATION NUMBER: US 60/234,269
; PRIOR FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PERL Program
; SEQ ID NO 10
; LENGTH: 584
; TYPE: PRT

; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 7478588CD1
US-10-343-593-10

Query Match 100.0%; Score 3112; DB 16; Length 584;
Best Local Similarity 100.0%; Pred. No. 4.8e-282;
Matches 584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSTVLPSTVLSPLSLPTAGAGSMRWILCWSLTCLCMAQTALGALTHTKRPQVVKYGTGLQ 60
Db 1 MSTVLPSTVLSPLSLPTAGAGSMRWILCWSLTCLCMAQTALGALTHTKRPQVVKYGTGLQ 60
Qy 61 GKQMHVGTPIQVFLGVPSRPLGLLRAPPEPPPEPWKIGIRDATTPGCLOESWGOLA 120
Db 61 GKQMHVGTPIQVFLGVPSRPLGLLRAPPEPPPEPWKIGIRDATTPGCLOESWGOLA 120
Qy 121 SMYSTRERYKWLRFSEDCLYLVYAPAPAGDPQLPVMVWFFPGAFIVGAASSYEGSDL 180
Db 121 SMYSTRERYKWLRFSEDCLYLVYAPAPAGDPQLPVMVWFFPGAFIVGAASSYEGSDL 180
Qy 181 AAREKVVLVFLQHRIGLFGFLSTDDSHARGNGLLDQMAALRWVQENIAAFGGDPGNVTL 240
Db 181 AAREKVVLVFLQHRIGLFGFLSTDDSHARGNGLLDQMAALRWVQENIAAFGGDPGNVTL 240
Qy 241 FGOSAGAMSISGLMSPASGLFHRALISQSGTALFRLFITSNPLKVAKKVAHLAGCNHNS 300
Db 241 FGOSAGAMSISGLMSPASGLFHRALISQSGTALFRLFITSNPLKVAKKVAHLAGCNHNS 300
Qy 301 TQILVNCRLALSGTKVMRVSNKMRFLQNLNFORPDEEIIWMSPVVDGVIPDDPLVLLTQ 360
Db 301 TQILVNCRLALSGTKVMRVSNKMRFLQNLNFORPDEEIIWMSPVVDGVIPDDPLVLLTQ 360
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Db 361 GKVSVPYLLGVNNLEFNWLLPYIMKFPPLNROAMRKETITKMLWSTRTLLNITKEQVPLV 420
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Db 421 VVEYLDNVNHEHDKMLNRNMDIVQDATFYATLQTAHYHRDAGLPVLYEYFEHHARGII 480
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RESULT 3

US-09-978-295A-254
; Sequence 254, Application US/09978295A
; Patent No. US20020156006A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.

APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C11
CURRENT APPLICATION NUMBER: US/09/978,295A
PRIORITY FILING DATE: 2001-10-15
PRIORITY APPLICATION NUMBER: 09/918585
PRIORITY FILING DATE: 2001-07-30
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/064249
PRIORITY FILING DATE: 1997-11-03
PRIORITY APPLICATION NUMBER: 60/065311
PRIORITY FILING DATE: 1997-11-13
PRIORITY APPLICATION NUMBER: 60/066364
PRIORITY FILING DATE: 1997-11-21
PRIORITY APPLICATION NUMBER: 60/077450
PRIORITY FILING DATE: 1998-03-10
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PRIORITY FILING DATE: 1998-03-11
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PRIORITY FILING DATE: 1998-03-11
PRIORITY APPLICATION NUMBER: 60/077791
PRIORITY FILING DATE: 1998-03-12
PRIORITY APPLICATION NUMBER: 60/078004
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PRIORITY APPLICATION NUMBER: 60/078910
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: 60/078939
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: 60/079294
PRIORITY FILING DATE: 1998-03-25
PRIORITY APPLICATION NUMBER: 60/079656
PRIORITY FILING DATE: 1998-03-26
PRIORITY APPLICATION NUMBER: 60/079664
PRIORITY FILING DATE: 1998-03-27
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PRIORITY FILING DATE: 1998-03-27
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PRIORITY FILING DATE: 1998-03-27
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PRIORITY FILING DATE: 1998-03-27
PRIORITY APPLICATION NUMBER: 60/079786
PRIORITY FILING DATE: 1998-03-27
PRIORITY APPLICATION NUMBER: 60/079920
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 9; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;
QY 6 LPSTVLPSSLPTAGAGWNRWILCWSLTCLMAQTALGALHTKRPQVVTYKYGTLQKQMH 65
DB 47 LGSTSTPATTSAPSSGFGTLGSKPATGTLGGTNTGALHTKRPQVVTYKYGTLQKQMH 106
QY 66 VGKTPQVLFVGFSPRPGLILFAPPEPEPWKGIIRDATTYPG----- 110
DB 107 VGKTPQVLFVGFSPRPGLILFAPPEPEPWKGIIRDATTYPGWSLALSPGWSAVANS 166
QY 111 -----CLQESWGQLASMYSTRERYKWLRFSEDCLYLNVY 145
DB 167 RUTATSASRVQASLLPQLSVWGYRCIQLQESWGQLASMYSTRERYKWLRFSEDCLYLNVY 226
QY 146 APAPAGDPOLPVWVWPPGAFIVGAASSYEGSDLAAREKVVLVFLQHLRIGIFGFLSTDD 205
DB 227 APAPAGDPOLPVWVWPPGAFIVGAASSYEGSDLAAREKVVLVFLQHLRIGIFGFLSTDD 286
QY 206 SHARGWGLLDMAALRWQENIAAAGDPPGNTLFGQSAGAMSISGLAMSPASGLFHR 265
DB 287 SHARGWGLLDMAALRWQENIAAAGDPPGNTLFGQSAGAMSISGLAMSPASGLFHR 346
QY 266 AISQSGTALFRPITSNPLKVAKKVAHLACNHNSTQILVNCRLALSGTKVMKRVSNKMR 325
DB 347 AISQSGTALFRPITSNPLKVAKKVAHLACNHNSTQILVNCRLALSGTKVMKRVSNKMR 406
QY 326 LQINFORDBPEIITWSMSPVVDGVIIPDDPLVLLTQGVSSVPVLLGVNNLEFNWLLPYIM 385
DB 407 LQINFORDBPEIITWSMSPVVDGVIIPDDPLVLLTQGVSSVPVLLGVNNLEFNWLLPY-- 464
QY 386 KFLNRCQWKEITTKMLWSTRILLNTKEQVPLVVEEYLDNVNEHDKMLRNRMMDIVQ 445
DB 465 -----NITKEQVPLVVEEYLDNVNEHDKMLRNRMMDIVQ 499
QY 446 DATFVYATLQTAHYHRD 462
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DB 500 DATFVYATLQTAHYHRE 516
RESULT 4
US-09-978-697-254
; Sequence 254, Application US/09978697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C27
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; PRIOR APPLICATION NUMBER: 09/918585
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Query Match 65.1%; Score 2026.5; DB 9; Length 545;
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Db 167 RL TATSASRVOASLLPQLSVWGYRCLOBSWGQLASMYVSTRYKWLRFSEDCLYLVVY 226
Qy 146 APARAGDOLPVMWFFPGAFIVGAASSVEGSDLAAREKVLVFLQHRIGIFGFLSTDD 205
Db 227 APARAGDOLPVMWFFPGAFIVGAASSVEGSDLAAREKVLVFLQHRIGIFGFLSTDD 286
Qy 206 SHARGNWGLLDMAALRWQENIAAFCGDPGNVTLFGQSAGAMSISGLMWSPLASGLFHR 265
Db 287 SHARGNWGLLDMAALRWQENIAAFCGDPGNVTLFGQSAGAMSISGLMWSPLASGLFHR 346
Qy 266 AISQSGTALFRLFITSNPLKVAKKVAHLACGNHNSQIILVNCRLALSGTKVMKVSNMKRF 325
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Qy 326 LQINFORDEEIIWSMSPVVDGVIIPDDPLVLLTQCKVSSVPVLLGVNNLEFNWLLPYIM 385
Db 407 LQINFORDEEIIWSMSPVVDGVIIPDDPLVLLTQCKVSSVPVLLGVNNLEFNWLLPY-- 464
Qy 386 KPFLNRQAMRKETITKMLNSTRLNITKEQVPLVVEEYLDNVNEHDWMLNRNMDIVQ 445
Db 465 -----NITKEQVPLVVEEYLDNVNEHDWMLNRNMDIVQ 499
Qy 446 DATFVYATLQTAHYHRD 462
Db 500 DATFVYATLQTAHYHRE 516

RESULT 5
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; Sequence 254, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
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;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-15

;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 9; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

Qy 6 LPSTVLPSSLPTAGAGSMRWILCWSLTLCLMAQTALGALHTKRPQVVTYKGTLOGKQMH 65
Db 47 LGSTSTPATTSAPSSGFGTGLFGSKPATGTTGGTWTGALHTKRPQVVTYKGTLOGKQMH 106
Qy 66 VGKTPIQVFLGVPPFSRPPILGRFAPPEPEPWKGIKRDATYPPG-----110
Db 107 VGKTPIQVFLGVPPFSRPPILGRFAPPEPEPWKGIKRDATYPPGWSLALSPCMSAVARS 166
Qy 111 -----CLQSWGQLASMYVSTRERYKWLRFSEDCLYLNVI 145
Db 167 RLATATSASRVQASLLPQPLSVMGYRCLQSWGQLASMYVSTRERYKWLRFSEDCLYLNVI 226
Qy 146 APARAGDPQLPVWVWFFGGAFTVGAASSYEGSDLAAREKVVLVFOHRLGIFGFLSTDD 205
Db 227 APARAGDPQLPVWVWFFGGAFTVGAASSYEGSDLAAREKVVLVFOHRLGIFGFLSTDD 286
Qy 206 SHARGNWGLLDQWALRWVQENIAAFGDPGNVTLFGQAGAMSISGLMWSPLASGLFHR 265
Db 287 SHARGNWGLLDQWALRWVQENIAAFGDPGNVTLFGQAGAMSISGLMWSPLASGLFHR 346
Qy 266 AISQSGTALFRLLFITSNPLKVAKVLAHLAGCNHNSTQILVNCRLALSGTKVMRSNKMRF 325
Db 347 AISQSGTALFRLLFITSNPLKVAKVLAHLAGCNHNSTQILVNCRLALSGTKVMRSNKMRF 406
Qy 326 LQINFORDEEIIWSMSPVVDGVIPDDPLVLLTQGVKSSVPYLLGVNNLEFNWLLPYIM 385
Db 407 LQINFORDEEIIWSMSPVVDGVIPDDPLVLLTQGVKSSVPYLLGVNNLEFNWLLPY-- 464
Qy 386 KPFLNRQAMRKETITKMLWSTRTLNITKEQVPLVVEEYLDNVNHDWKLNRMMDIVQ 445
Db 465 -----NITKEQVPLVVEEYLDNVNHDWKLNRMMDIVQ 499

Qy 446 DATFVYATLQTAHYHRD 462
Db 500 DATFVYATLQTAHYHRE 516

RESULT 6
US-09-999-832A-254
; Sequence 254, Application US/09999832A
; Publication No. US20020192706A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C63
CURRENT APPLICATION NUMBER: US/09/999,832A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918595
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
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;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 9; Length 545;

Best Local Similarity 80.3%; Pred. No. 1.9e-180;

Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

QY 6 LPSTVLPSSLPTAGAGSMRWILCSLTCLMAQTALGALHTKRPQVVKYGTLOGKQH 65
DB 47 LGSTSTPATTSPSSGGTGLFGSKPATFTLGGTNTGALHTKRPQVVKYGTLOGKQH 106
QY 66 VGKTPIQVFLGVFSPPLGILRFAPPEPPKMGIRDATTYPG----- 110
DB 107 VGKTPIQVFLGVFSPPLGILRFAPPEPPKMGIRDATTYPGSLALSPGWSAVARS 166
QY 111 -----CLQESWGQLASMYSTRERYKWLRFSEDCLYLVY 145
DB 167 RLTSASRVSQASLLPQLSVMGYRCQLQESWGQLASMYSTRERYKWLRFSEDCLYLVY 226
QY 146 APARAGDPQLPMWFPFGAFIVGAASSVEGSDLAAREKVLVFLQHRIGIPGFLSTDD 205
DB 227 APARAGDPQLPMWFPFGAFIVGAASSVEGSDLAAREKVLVFLQHRIGIPGFLSTDD 286
QY 206 SHARGNWGLDDQAAALRWQENITAAFGDPPGNTLFGQSAGAMISGLMWSPLASGLFHR 265
DB 287 SHARGNWGLDDQAAALRWQENITAAFGDPPGNTLFGQSAGAMISGLMWSPLASGLFHR 346
QY 266 AISQSCTALFRLPITSNPLKVAKKVAHLACGHNHSTQILVNCRLALSGTKVMSVSKMRF 325
DB 347 AISQSCTALFRLPITSNPLKVAKKVAHLACGHNHSTQILVNCRLALSGTKVMSVSKMRF 406
QY 326 LQINFORDEEIIWMSPPVVDGVIIPDDPLVLLTQGVSSVPYLLGVNNLEFNWLLPYTM 385
DB 407 LQINFORDEEIIWMSPPVVDGVIIPDDPLVLLTQGVSSVPYLLGVNNLEFNWLLPY-- 464
QY 386 KPPLNQAMKEITITKWLNSRTRILNITKEQVPLVVEEYLDNNEHDKMLRNMDIVQ 445
DB 465 -----NITKEQVPLVVEEYLDNNEHDKMLRNMDIVQ 499

QY 446 DATFVYATLQTAHYHRD 462
DB 500 DATFVYATLQTAHYHRE 516

RESULT 7

US-09-978-189-254
; Sequence 254, Application US/09978189
; Publication No. US20030004102A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC7
; CURRENT APPLICATION NUMBER: US/09/978,189
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 10; Length 545;

Best Local Similarity 80.3%; Pred. No. 1.9e-180;

Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

QY 6 LPSTVLPSLLPTAGAGSMRWILCWSLTLCLMAQTALGALHTKRPQVVTYKYLQGMH 65

Db 47 LGSTSTPATTSAAPSSGFGTGLFGSKPATGFTLGGTNTGALHTKRPQVVTYKYLQGMH 106

QY 66 VGTPTQVFLGVDFSRPPLGILRFAPPEPPKMGIRDATTYPPG----- 110

Db 107 VGTPTQVFLGVDFSRPPLGILRFAPPEPPKMGIRDATTYPPGWSLALSPGWSAVARS 166

Qy	111	-----CLOESWQGLASMYVSTRERYKWLRFSEBDCLYLVNY	145
Db	167	RLTATSASRVQASLLPQPLSVMGYRCLQESWQGLASMYVSTRERYKWLRFSEBDCLYLVNY	226
Qy	146	APARAPGDPQLPVWVWPPGGAFIGVAASYESGSDLAAREKVVLVFLQHRGLFGFLSTDD	205
Db	227	APARAPGDPQLPVWVWPPGGAFIGVAASYESGSDLAAREKVVLVFLQHRGLFGFLSTDD	286
Qy	206	SHARGNWGLLQDMAALRWVQENIAAFGGDPGNVTLLFGQSAGAMSTISGLMMSPLASGLFHR	265
Db	287	SHARGNWGLLQDMAALRWVQENIAAFGGDPGNVTLLFGQSAGAMSTISGLMMSPLASGLFHR	346
Qy	266	AISOSGTALFRLFITSNPLKVAKVHAHLACGNHNSTQILLVNCRLRALSCTKWVRVSNKRF	325
Db	347	AISOSGTALFRLFITSNPLKVAKVHAHLACGNHNSTQILLVNCRLRALSCTKWVRVSNKRF	406
Qy	326	LQLNFQRDPDEEIIWSMSPVWDGWIIPDDPLVLLTQKVSVPYLLGVNNLEFNWLLPYIM	385
Db	407	LQLNFQRDPDEEIIWSMSPVWDGWIIPDDPLVLLTQKVSVPYLLGVNNLEFNWLLPY--	464
Qy	386	KPPLNRQARWKETITKMLWSTRTLNITKEQVPLVVEEYLDNVNEHDWQMLNRNMDIVQ	445
Db	465	-----NITKEQVPLVVEEYLDNVNEHDWQMLNRNMDIVQ	499
Qy	446	DATFYATLOTAYHYRD	462
Db	500	DATFYATLOTAYHYRE	516

RESULT 8
US-09-978-608A-254
; Sequence 254, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: ROY, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830PIC22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 254
; LENGTH: 545
; TYPE: PROT
; ORGANISM: Homo sapiens

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US-09-978-608A-254

Query Match      65.1%; Score 2026.5; DB 10; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2

QY      6 LPSTVLPSSLPTAGAGWSMRWILCWSLSTLCLMAQTALCALHTKRPQVTVKGTLOGKQMH 65
DB      47 LGSTSTPATTSPSSGGTGLFGSKPATGFTLGGTNGALHTKRPQVTVKGTLOGKQMH 106
QY      66 VGKTPIQVFLGVPFSRPPGLILRAPPEPPPPFWKGI RATTYPPG----- 110
DB      107 VGKTPIQVFLGVPFSRPPGLILRAPPEPPPPFWKGI RATTYPPCWSLALSPGWSAVARS 166
QY      111 -----CLOESWGQLASMTVSTRERYKWI RPSDDCLYLVNY 145
DB      167 RL TATSASRVQASLLPQLPSLVMGYRCLOESWGQLASMTVSTRERYKWI RPSDDCLYLVNY 226
QY      146 APARAPGDPQLPVNMWPPGGAFIVGAASSYEGSDLAAREKVVLP LQHRHIGFGFLSTDD 205
DB      227 APARAPGDPQLPVNMWPPGGAFIVGAASSYEGSDLAAREKVVLP LQHRHIGFGFLSTDD 286
QY      206 SHARGNWGLLDQMAALRWVQENIAAFGGDPGNVTILFGQSAGAMSTISGLMMSPLASGLFHR 265
DB      287 SHARGNWGLLDQMAALRWVQENIAAFGGDPGNVTILFGQSAGAMSTISGLMMSPLASGLFHR 346
QY      266 AISQSGTALFRFLTTSNPLKVAKKVAHLAGCNHNSTQILVNC LRALSGTKVMRVSNKORF 325
DB      347 AISQSGTALFRFLTTSNPLKVAKKVAHLAGCNHNSTQILVNC LRALSGTKVMRVSNKORF 406
QY      326 LQNLNFRDPEEIIWSMSPVVDGVVTPDDPLVLLTQGVKSSVPYLL LGVANLEFNWLLPYIM 385
DB      407 LQNLNFRDPEEIIWSMSPVVDGVVTPDDPLVLLTQGVKSSVPYLL LGVANLEFNWLLPY -- 464
QY      386 KPFLNRQAMRKETITKMLSTRLLNTIKQEVPLVVEEYLDNVNEHDKWMLNRNMWDIVQ 445
DB      465 -----NITKEQVPLVVEEYLDNVNEHDKWMLNRNMWDIVQ 499
QY      446 DATFVYATLOTAYHNRD 462
DB      500 DATFVYATLOTAYHRE 516

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RESULT 9
US-09-378-585A-254
; Sequence 254, Application US/09978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavvin, Ivar J.
; APPLICANT: Kuo, Sophia A.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Dantel

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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC15
; CURRENT APPLICATION NUMBER: US/09/978,585A
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 254
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-585A-254

Query Match      65.1%; Score 2026.5; DB 10; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

QY      6 LPSTVLPSSLPTAGAGCMRWILCWSLTLCMAQTALGALHTKRPQVVTKYGTLOGKQWH 65
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
47 LOSTSTPATTSAPSSGFGTGLGSKPATGFTTGGTNGALHTKRPQVVTKYGTLOGKQWH 106
QY      66 VGTKPIQVFLGVFPFSPRPPIGLILRFAPPEPPKPKGIRDATTYPPG----- 110
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
107 VGTKPIQVFLGVFPFSPRPPIGLILRFAPPEPPKPKGIRDATTYPPGWSLALSPGWSAVARS 166
QY      111 -----CLOESWQOLASMYSTERYKWLRFSDCLYLVNY 145
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
167 RUTATSASRVQASLLPQPLSVNMGYRCLOESWQOLASMYSTERYKWLRFSDCLYLVNY 226
QY      146 APARAPGDPQLPVMWFFPGCAFTVGAASYEGSDLAAREKVVLFQHRLGIFGFLSTDD 205
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
227 APARAPGDPQLPVMWFFPGCAFTVGAASYEGSDLAAREKVVLFQHRLGIFGFLSTDD 286
QY      206 SHARGNWGLLDQMAALRWQENIAAPGDPGNVTILFGQSAGAMISGLMMSPLASGLFHR 265
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
287 SHARGNWGLLDQMAALRWQENIAAPGDPGNVTILFGQSAGAMISGLMMSPLASGLFHR 346
QY      266 AISOQSTALFRILFITSNPLKVAKKVAHLGACNHNSTQILVNCRLSALSGTKVMRVSNKWRP 325
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
347 AISOQSTALFRILFITSNPLKVAKKVAHLGACNHNSTQILVNCRLSALSGTKVMRVSNKWRP 406
QY      326 LQINFORDEEIIWMSPVVDGVWIPDDPLVLLTQGVSSVYLLGVNNLEFNWLLPYIM 385
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
407 LQINFORDEEIIWMSPVVDGVWIPDDPLVLLTQGVSSVYLLGVNNLEFNWLLPY-- 464
QY      386 KFLPLNRQARKETITKWLWSTTLNITKEQVPLVVEEYLDNVNHDWMLNRNMDIVQ 445
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
465 -----NITKEQVPLVVEEYLDNVNHDWMLNRNMDIVQ 499
QY      446 DATEVVYATLQTAHYHRD 462
Db      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
500 DATEVVYATLQTAHYHRE 516

RESULT 10
US-09-978-191A-254
; Sequence 254, Application US/09978191A
; Publication No. US20030050239A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
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; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
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; PRIOR FILING DATE: 1998-05-05

; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
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; PRIOR FILING DATE: 1998-05-07
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; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 10; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

QY 6 LPSTVLPSLLPTAGACGMRWILCWSLTLCLMAQTALGALHTKRPQVVTYKYLQKQKH 65
DB 47 LGSTSTPATTTAPSSGFGTGLFGSKPATGFTLLGTTGALHTKRPQVVTYKYLQKQKH 106
QY 66 VGTKPIQVFLGVPPFPPPLGILRFAPPEPPKGIKRDATTYPPG----- 110
DB 107 VGTKPIQVFLGVPPFPPPLGILRFAPPEPPKGIKRDATTYPPGSLALSPGMSAVARS 166
QY 111 -----CLQSSWGOLASMYSTRERYKWLRFSEDCLYLVY 145
DB 167 RLTAASASRVQASLLPQLSVWGYRCLQSSWGOLASMYSTRERYKWLRFSEDCLYLVY 226
QY 146 APARAFGDPQLPVMWFFPGAFIVGAASSYEGSDLAAREKVLFVFLQHLRIGIFGLSTDD 205
DB 227 APARAFGDPQLPVMWFFPGAFIVGAASSYEGSDLAAREKVLFVFLQHLRIGIFGLSTDD 286
QY 206 SHARGNWGLLDQMAALRWQENIAAFGDPGNVTLFGQSAGAMSISGLMSPGLASGLFHR 265
DB 287 SHARGNWGLLDQMAALRWQENIAAFGDPGNVTLFGQSAGAMSISGLMSPGLASGLFHR 346
QY 266 AISQSGTALFRLFITNSPLKVAKKVAHLACGNHNSQTILVNCULASGTVKMRVSNKORF 325
DB 347 AISQSGTALFRLFITNSPLKVAKKVAHLACGNHNSQTILVNCULASGTVKMRVSNKORF 406
QY 326 LQINFORDEEIIWMSPPVVDGWIIPDDPLVLLTQKRVSSVPYLLGVNNLEFNWLLPYIM 385
DB 407 LQINFORDEEIIWMSPPVVDGWIIPDDPLVLLTQKRVSSVPYLLGVNNLEFNWLLPY-- 464
QY 386 KPFLNRQAMRKETITIOQLMSTRTLNITKEQVPLVVEEYLDNVNEHDKMLRNRMDIVQ 445

|||||-----NITKEQVPLVVEEYLDNVNEHDWKLNRMDIYQ 499

Db 465
Qy 446 DATFVYATLQTAHYRD 462
Db 500 DATFVYATLQTAHYRE 516

RESULT 11
US-09-978-403A-254
; Sequence 254, Application US/09978403A
; Publication No. US2003050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C17
; CURRENT APPLICATION NUMBER: US/09/978,403A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
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; PRIOR FILING DATE: 1998-04-15
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;; PRIOR APPLICATION NUMBER: 60/085339
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 10; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

Qy 6 LPSTVLPSSLPTAGAGSMERWILCWSLTLCMAQTALGALHTKRPQVWTKYGTLOGKQMH 65
Db 47 LGSTSTPATTSAPSSGFGTGLGSKPATGTLOGTNGALHTKRPQVWTKYGTLOGKQMH 106

Qy 66 VGKTPIQVFLGVFSPRPPLGILRAPPEPPPPKGIIRDATTYPGP----- 110
Db 107 VGKTPIQVFLGVFSPRPPLGILRAPPEPPPPKGIIRDATTYPGWSLALSPGWSAVARS 166
Qy 111 -----CLQBSWGOLASMYVSTRERYKWLRFSEDCLYLNIV 145
Db 167 RLATASASRVQASLLPQPLSVWGYRCLQBSWGQLASMYVSTRERYKWLRFSEDCLYLNIV 226
Qy 146 APARAPGDPQLPVMVMPFGGAFIVGAASSYEGSDLAAREKVVLVFLQHRIGIFGFLSTDD 205
Db 227 APARAPGDPQLPVMVMPFGGAFIVGAASSYEGSDLAAREKVVLVFLQHRIGIFGFLSTDD 286
Qy 206 SHARGNWGLLDQMAALRWQENTAAFGDPPGNVTLFQOSAGAMSISGLMSPGLASGLFHR 265
Db 287 SHARGNWGLLDQMAALRWQENTAAFGDPPGNVTLFQOSAGAMSISGLMSPGLASGLFHR 346
Qy 266 AISQSGTALFRLFTTSNPLKVAKVVAHLACGNHSTOILVNCRLALSGTKVMRVSNKWRP 325
Db 347 AISQSGTALFRLFTTSNPLKVAKVVAHLACGNHSTOILVNCRLALSGTKVMRVSNKWRP 406
Qy 326 LQINFORDPDEIIWSMSPVVDGVVIPPDDPLVLLTQGVSSVPVLLGVNNLEFNWLLPYIM 385
Db 407 LQINFORDPDEIIWSMSPVVDGVVIPPDDPLVLLTQGVSSVPVLLGVNNLEFNWLLPY-- 464
Qy 386 KFFLNQAMRKETITKMLMSTRLLNITKEQVPLVVEEYLDNVNEHDKWMLRNMMDIVQ 445
Db 465 -----NITKEQVPLVVEEYLDNVNEHDKWMLRNMMDIVQ 499
Qy 446 DATFVYATLQTAHYHRD 462
Db 500 DATFVYATLQTAHYHRE 516

RESULT 12

US-09-978-564A-254
; Sequence 254, Application US/09978564A
; Publication No. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Pong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C25
; CURRENT APPLICATION NUMBER: US/09/978,564A
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250

[illegible]


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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 10; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

QY 6 LPSTVLPSSLPTAGAGWNRWILCWSLTLCLMAQTALGALHTKRPQVVTYKGTLOGKQMH 65
Db 47 LGSTSTPATTSAPSSGFGTGLFGSKPATGFTILGTTGNTGALHTKRPQVVTYKGTLOGKQMH 106
QY 66 VGKTPIOVFLGVFPRRPPLGILRFAPPPPPPKWIGIRATTYPPG----- 110
Db 107 VGKTPIOVFLGVFPRRPPLGILRFAPPPPPPKWIGIRATTYPPGWSLALSPGWSAVARS 166
QY 111 -----CLOESWGQSLASMTYSTRERYKWLRFSDCLYLVNY 145
Db 167 RLATATSASRVOASLLPQPLSVWGYRCLQESWGQSLASMTYSTRERYKWLRFSDCLYLVNY 226
QY 146 APARAPGDPQLPVMWFFPGGAFIVGAASYESGDLAAREKVVLFLOHRLGIFGLSTDD 205
Db 227 APARAPGDPQLPVMWFFPGGAFIVGAASYESGDLAAREKVVLFLOHRLGIFGLSTDD 286
QY 206 SHARGNWGLLDQMAALRWQENIAAFGDPGNVTLFGOSAGAMSTISGLMMSPLASGLFHR 265
Db 287 SHARGNWGLLDQMAALRWQENIAAFGDPGNVTLFGOSAGAMSTISGLMMSPLASGLFHR 346
QY 266 AISQSGTALFRLFITSNPLKVAKKVAHLAGCNHNSTQILVNCRLALSGTKVMRVSNKMRF 325
Db 347 AISQSGTALFRLFITSNPLKVAKKVAHLAGCNHNSTQILVNCRLALSGTKVMRVSNKMRF 406
QY 326 LQNFORDPEELIWSMSVWDGVNTPDDPLVLLTQGVSSVYPIILGVNNLEFNWLLPYM 385
Db 407 LQNFORDPEELIWSMSVWDGVNTPDDPLVLLTQGVSSVYPIILGVNNLEFNWLLPY-- 464
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QY 386 KPLNQRMRKETITKMLWSTRLTLNITKQVPLVVEEYLDNVNHDWKMRLNRMDIVQ 445
|||||
Db 465 -----NITKQVPLVVEEYLDNVNHDWKMRLNRMDIVQ 499

QY 446 DATFVATLQTAHYHRD 462
|||||
Db 500 DATFVATLQTAHYHRE 516

RESULT 14

US-09-981-915A-254
; Sequence 254, Application US/09981915A
; Publication No. US20030054986A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C12
; CURRENT APPLICATION NUMBER: US/09/981,915A
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
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;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 10; Length 545;

Best Local Similarity 80.3%; Pred. No. 1.9e-180;

Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

QY 6 LPSTVLPSSLPTAGAGMSRWILCWSLTLCLMAQTALGALHTKRPQVTKYGTLOQKQMH 65

Db 47 LGSTSTPATTSAPSSGFTGLFGSKPATGFTLGGTNTGALHTKRPQVTKYGTLOQKQMH 106
QY 66 VGKTPIQVFLGVFPSPPLGILRFAPPEPEPWKGIKRDATTTPPG----- 110
Db 107 VGKTPIQVFLGVFPSPPLGILRFAPPEPEPWKGIKRDATTTPPGWSLALSPGWSAVARS 166
QY 111 -----CLQSWGQLASMYSTRERYKWLRFSEDCLYINY 145
Db 167 RLTTATSASRVQASLLPQPLSVMGYRCLQSWGQLASMYSTRERYKWLRFSEDCLYINY 226
QY 146 APARAPGDPQLPVMWFFPGAFIVGAASYEGSDLAAREKVVLFVLOHRLGIFGFLSTDD 205
Db 227 APARAPGDPQLPVMWFFPGAFIVGAASYEGSDLAAREKVVLFVLOHRLGIFGFLSTDD 286
QY 206 SHARGNWGLLDQMAALRWVOENIAAFGGDPGNVTILFGQSAGAMSISGLMMSPLASGLFHR 265
Db 287 SHARGNWGLLDQMAALRWVOENIAAFGGDPGNVTILFGQSAGAMSISGLMMSPLASGLFHR 346
QY 266 AISQSGTALFRUFTITSNPLKVAKKVAHLAGCNHNSTOILVNCIRALSGTKVMRVSNKMRP 325
Db 347 AISQSGTALFRUFTITSNPLKVAKKVAHLAGCNHNSTOILVNCIRALSGTKVMRVSNKMRP 406
QY 326 LQINFORDEEIIWMSMPVVDGWIIPDDPLVLLTQGVSSVYLLGVNNLEFNWLLPYIM 385
Db 407 LQINFORDEEIIWMSMPVVDGWIIPDDPLVLLTQGVSSVYLLGVNNLEFNWLLPY-- 464
QY 386 KPFLNRQMRKETITKMLNSTLTNITKEQVPLVVEEYLDNVNNEHDMMLNRNMDIVQ 445
Db 465 -----NITKEQVPLVVEEYLDNVNNEHDMMLNRNMDIVQ 499
QY 446 DATFVYATLQTAHYHRD 462
Db 500 DATFVYATLQTAHYHRE 516

RESULT 15

US-09-978-824-254

; Sequence 254, Application US/09978824

; Publication No. US20030055216A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630P1C14

; CURRENT APPLICATION NUMBER: US/09/978,824

; CURRENT FILING DATE: 2001-10-17

; PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064249
 PRIOR FILING DATE: 1997-11-03
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52	PRIOR FILING DATE: 1998-04-30
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56	PRIOR FILING DATE: 1998-05-06
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59	PRIOR APPLICATION NUMBER: 60/084637
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68	PRIOR FILING DATE: 1998-5-07
69	PRIOR APPLICATION NUMBER: 60/084627
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71	PRIOR APPLICATION NUMBER: 60/084643
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74	PRIOR FILING DATE: 1998-05-13
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